

Gilbane Building Company

W JUNEAU AVE

W HIGHLA

WSTAT

1301

1345

W WISCONSIN AVE

101 W PLEASANT ST #104, MILWAUKEE, WI 53212 (414) 287-2600

MILWAUKEE

ACADEMY OF

GYMNASIUM

SCIENCE



NO DESCRIPTION DATE

VICINITY MA

MILWAUKEE ACADEMY OF SCIENCE VICINITY MAP

1255

W STATE ST

W KILBOURN AVE

W WISCONSIN AVE

2125

W JUNEAU AVE

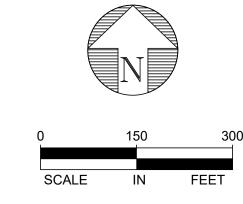
2303

2302

2424

2429

2000 W. KILBOURN AVENUE, MILWAUKEE, WI 53233



1415

1221

638

545

525

DATE: MAY 21, 2021

CITY SUBMITTAL

TOPOGRAPHIC MAP

CLIENT

Milwaukee Academy of Science

SITE ADDRESS

2000 West Kilbourn Avenue, City of Milwaukee, Milwaukee County, Wisconsin.

S OF BEARINGS

Bearings are referenced to the East line of the Northwest 1/4 of Section 30 which is assumed to bear North 00°00'36" East.

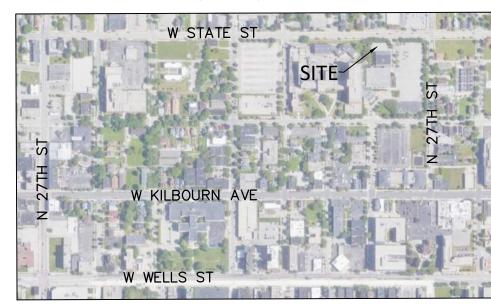
VERTICAL DATUM,

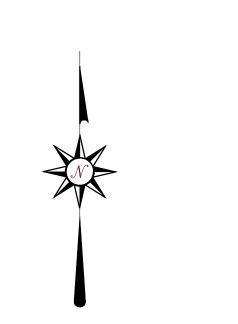
Vertical Datum is based on City of Milwaukee Vertical Datum (NGVD 29)-(580.603)=City of Milwaukee Vertical Datum

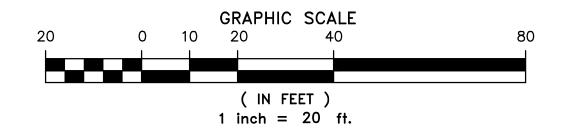
STARTING BENCHMARK: 97.98'
REFERENCE MARK AND REFERENCE BENCHMARK
NE CORNER OF NW 1/4 OF SECTION 30,
TOWN 7 NORTH, RANGE 22 EAST

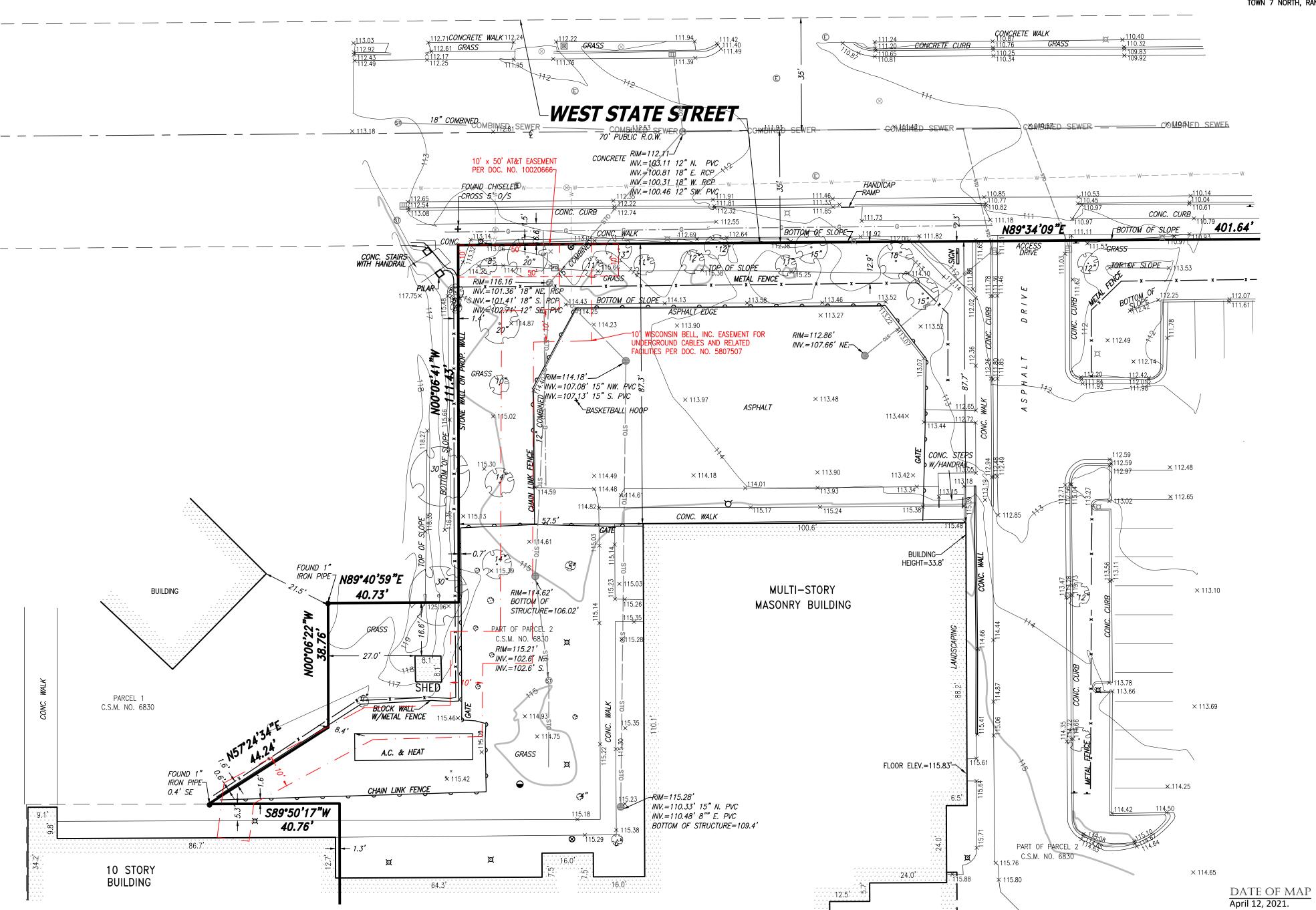


VICINITY MAP









Date Revision description

May 4, 2021 Storm Invert

May 7, 2021 Storm Inverts

May 18, 2021 Laterals

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May 18, 2021 Laterals

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Drawing No. 1545-dzb

ABBREVIATIONS AREA DRAIN AMERICAN DISABILITY ACT AGG AGGREGATE AMERICAN LAND TITLE ASSOCIATION **ARCH** ARCHITECTURAL AMERICAN SOCIETY FOR TESTING & MATERIALS BIT BITUMINOUS BMP BEST MANAGEMENT PRACTICE BOTTOM CB **CATCH BASIN** CO **CLEAN OUT** CONCRETE CORRUGATE STEEL PIPE CY CUBIC YARD DIA DIAMETER DIP **DUCTILE IRON PIPE DWGS DRAWINGS ELECTRICAL** FES FLARED END SECTION **GATE VALVE** GV HDPE HIGH DENSITY POLYETHYLENE PIPE **HIGH WATER HYDRANT** INVERT INV LINEAR FOOT MAXIMUM MAX**MECHANICAL** MH MANHOLE MINIMUM MIN NOT TO SCALE POLYETHYLENE PIPE PSI POUNDS/SQUARE INCH PVC POLY VINYL CHLORIDE **RADIUS** REINFORCED CONCRETE PIPE SANITARY SEWER SQUARE FOOT STRUCTURE STM STORM STRUCT STRUCTURAL **TESTING AGENCY** T/W TOP OF WALL TYP TYPICAL **UNLESS NOTED OTHERWISE** WATER

STORM WATER POLLUTION PREVENTION NOTES:

- 1. THE CONTRACTOR MUST AMEND THE STORM WATER POLLUTION PREVENTION PLAN AND PREPARE A SUPPLEMENTAL BEST MANAGEMENT PRACTICES (BMP) ACTION PLAN AS NECESSARY TO ADDRESS CHANGES IN CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER, OR SEASONAL CONDITIONS THAT EFFECT THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS AND COMPLY WITH REGULATORY AGENCY REQUIREMENTS.
- SEDIMENT CONTROL PRACTICES MUST BE USED TO MINIMIZE SEDIMENT ENTERING SURFACE WATERS OR ADJACENT PROPERTY. ESTABLISH SEDIMENT CONTROL PRACTICES AT ALL DOWN GRADIENT PERIMETERS BEFORE LAND DISTURBING ACTIVITIES BEGIN. ALL STORM INLETS MUST BE PROTECTED WITH SUITABLE BMPs DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ESTABLISHED.
- TEMPORARY SOIL STOCKPILES MUST HAVE PERIMETER SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS.
- 4. SEDIMENT FROM PROJECT SITE TRACKED BY VEHICLES ON ADJACENT ROADWAY MUST BE CLEANED DAILY WITH A STREET SWEEPER.
- 5. CONTROL DUST BY APPLYING WATER AS OFTEN AS REQUIRED BY SOIL AND WEATHER CONDITIONS.
- 6. CONTRACTOR MUST ROUTINELY INSPECT THE PROJECT SITE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT EXCEEDS 0.5-INCHES. ALL INSPECTIONS MUST BE PROPERLY DOCUMENTED.
- 7. ALL NONFUNCTIONAL BMPS MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPS.
- 8. ALL CONSTRUCTION WASTE MATERIALS MUST BE PROPERLY DISPOSED OF OFF-SITE IN A PERMITTED DISPOSAL FACILITY.
- 9. CONTRACTOR MUST ENSURE FINAL STABILIZATION OF THE PROJECT SITE. IF PERMANENT STABILIZATION CANNOT OCCUR WITHIN 14 DAYS OF COMPLETING GRADING ACTIVITY (7 DAYS IF WITHIN 1 MILE OF AN IMPAIRED OR SPECIAL WATER), ESTABLISH TEMPORARY VEGETATIVE COVER WITH OATS AND TYPE 3 MULCH.
- 10. ALL SLOPES STEEPER THAN 4:1 MUST BE STABILIZED WITH EROSION CONTROL BLANKET.
- 11. EROSION CONTROL FIBER LOG MUST BE PRODUCT LISTED ON WIS/DOT'S APPROVED PRODUCTS LIST.
- 12. REMOVE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES AFTER SITE HAS BEEN PERMANENTLY STABILIZED. AT LEAST 75% OF SITE MUST HAVE EMERGENT VEGETATION, SOD OR EROSION BLANKETS.

GENERAL CIVIL NOTES:

- PREPARATION & RESTORATION
- EXISTING SITE CONDITIONS DEPICTED ON THE DRAWINGS ARE BASED ON TOPOGRPHIC & UTILITY SURVEY PROVIDED BY THE OWNER. THE CONTRACTOR MUST VISIT THE SITE TO VERIFY EXISTING CONDITIONS.
- 2. CONTRACTOR MUST OBTAIN ALL REQUIRED PERMITS FROM CITY, STATE AND OTHERS REGULATORY AGENCIES.
- 3. UTILIZE THE DIGGERS HOTLINE ONE CALL SYSTEM @ 1-800-242-8511, 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION. EXISTING UNDERGROUND UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS BASED ON INFORMATION PROVIDED BY UTILITY COMPANIES IN RESPONSE TO A LOCATE REQUEST MADE BY THE SURVEYOR. ALL EXISTING UTILITIES MAY NOT BE SHOWN.
- 4. PRIOR TO CONSTRUCTION FIELD VERIFY LOCATION AND ELEVATION OF UTILITIES THAT MAY BE IMPACTED OR DAMAGED BY CONSTRUCTION. REPORT ANY CONFLICTS OR EXISTING DAMAGE TO THE OWNER AND A/E PRIOR TO ORDERING ANY MATERIALS FOR CONSTRUCTION.
- 5. PROTECT EXISTING UTILITY PIPES AND APPURTENANCES FROM DAMAGE DUE TO CONSTRUCTION ACTIVITY. PROVIDE TEMPORARY SUPPORT AND BRACING OF UTILITIES IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS AS REQUIRED FOR CONSTRUCTION.
- 4. COORDINATE DISRUPTION OF UTILITY SERVICES WITH OWNER. LIMIT SERVICE DISRUPTION TO TIMES APPROVED BY OWNER.
- 5. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS FIELD MANUAL, LATEST EDITION, AT ALL TIMES THAT CONSTRUCTION ACTIVITY DISRUPTS TRAFFIC ON PUBLIC ROADWAYS.
- 6. PROVIDE TEMPORARY ROCK CONSTRUCTION EXIT AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS PUBLIC ROADWAY. CONSTRUCTION EXITS MUST BE SUFFICIENTLY SIZED AND MAINTAINED TO PREVENT TRACK OUT. CLEAN ALL TRACKED MATERIALS ON ADJACENT ROADWAYS ON A DAILY BASIS OR AS REQUIRED BY THE CITY.
- 7. PROTECT STORM SEWER INLETS WITH SILT FENCE OR OTHER EQUIVALENT METHODS UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 8. USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT RUNOFF WITH CONCRETE DUST, PARTICLES, SAW-CUT SLURRY, AND PLANT WASTE FROM ENTERING STORM WATER CONVEYANCE SYSTEMS, INCLUDING INLETS AND CURB FLOW LINES.
- 9. COORDINATE DISRUPTION OF PEDESTRIAN AND VEHICULAR TRAFFIC WITH OWNER. OBTAIN ALL REQUIRED STREET AND SIDEWALK CLOSURE PERMITS - CONTACT CITY OR ROAD AUTHORITY TO VERIFY REQUIREMENTS.
- 10. CARE MUST BE TAKEN DURING CONSTRUCTION TO PROTECT SURVEY MONUMENTS AND PROPERTY IRONS.
- 11. PROTECT ALL TREES NOT SPECIFICALLY DESIGNATED FOR REMOVAL.
- 12. SAWCUT PAVEMENT THAT REMAINS AT REMOVAL LIMITS.
- 13. RESTORE OR REPAIR DAMAGED ROADS, WALKS, CURBS, UTILITIES, OR PLANT MATERIALS TO CONDITION EQUAL TO OR BETTER THAN PRE-CONSTRUCTION CONDITION AND AS REQUIRED BY OWNER.
- 14. ALL WORK MUST COMPLY WITH APPLICABLE SECTIONS OF THE WISDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SUPPLEMENTAL DOCUMENTS, LATEST EDITION.
- 15. LEGALLY DISPOSE OF ALL WASTE MATERIALS, DEBRIS AND EXCESS EXCAVATED MATERIAL
- 16. MAINTAIN ACCURATE RECORDS OF ALL NEW UTILITY CONSTRUCTION INCLUDING SURVEYED ELEVATIONS OF PIPE AND STRUCTURE INVERTS FOR AS-BUILT OR RECORD DOCUMENTS.

LAYOUT & SURFACING

- 1. ALL DIMENSIONS TO CURBS AND CURB/GUTTER ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED. BACK OF CURB IS TYPICALLY 8-INCHES BEHIND THE FACE OF CURB.
- 2. GUIDELINES FOR CONSTRUCTION OF NEW CONCRETE SURFACING:
- a. MAXIMUM SPACING OF CONTROL JOINTS IN WALKS TO BE 8-FEET, BUT GENERALLY MATCH THE WALK WIDTH.
- b. MAXIMUM SPACING OF CONTROL JOINTS IN CONCRETE TRAFFIC SLABS TO BE 12-FEET.
- c. ALIGN JOINTS WITH WALK CORNERS, HORIZONTAL DEFLECTIONS, BUILDING CORNERS, ETC.
- AND USE EQUAL PANEL SIZES. d. SEE 4/C900 FOR JOINTING DETAILS.
- e. PROVIDE 2% CROSS SLOPE UNLESS DESIGNATED OTHERWISE ON SITE PLANS

GRADING

SEE SITE SURVEY SHEET(S) FOR BENCHMARKS.

ELEVATIONS ARE NOTED WITH A "TC".

- 2. FURNISH AND INSTALL EROSION PREVENTION AND SEDIMENT CONTROL BMPs AS NECESSARY TO PREVENT EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ON SITE. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY REMOVAL WORK AND/OR GROUND DISTURBING ACTIVITIES COMMENCE AND SHALL BE MAINTAINED UNTIL THE POTENTIAL FOR EROSION HAS BEEN ELIMINATED. SEDIMENT CONTROL DEVICES MUST BE ESTABLISHED ON ALL DOWN-GRADIENT PERIMETERS BEFORE ANY UP-GRADIENT LAND DISTURBING ACTIVITIES BEGIN.
- STORM SEWER INLETS WILL BE PROTECTED AT ALL TIMES WITH THE APPROPRIATE INLET PROTECTION DEVICE FOR EACH SPECIFIC PHASE OF CONSTRUCTION. INLET PROTECTION DEVICES MAY NEED TO BE REPLACED MULTIPLE TIMES IN THE SAME LOCATION OVER THE LIFE OF THE PROJECT. ALL STORM SEWER INLET PROTECTION DEVICES WILL BE KEPT IN GOOD FUNCTIONAL CONDITION AT ALL TIMES.
- 4. ALL EXPOSED SOIL AREAS MUST BE TEMPORARILY AND PERMANENTLY STABILIZED NO MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THAT PORTION OF THE SITE HAS CEASED.
- 5. A GEOTECHNICAL EVALUATION REPORT IS BEING PREPARED BY GESTRA FOR INFORMATION ON SOILS AND SUBGRADE PREPARATION.
- 6. SPOT ELEVATIONS ARE TYPICALLY GIVEN AT FINISHED SURFACE. AT TOP OF CURB,

UTILITIES

- 1. VERIFY BUILDING STORM, SANITARY, AND WATER SERVICE LOCATIONS AND ELEVATIONS WITH PLUMBING CONTRACTOR, PRIOR TO CONSTRUCTION OF SERVICE LINES.
- 2. ALL UTILITY DEMOLITION OR ABANDONMENT MUST COMPLY WITH UTILITY OWNER'S
- REQUIREMENTS. 3. PROVIDE MINIMUM 7.0' COVER ON ALL WATER MAINS. ALL WATER MAIN CONSTRUCTION MUST
- COMPLY WITH CITY REQUIREMENTS. 4. SANITARY AND STORM SEWER CONSTRUCTION MUST COMPLY WITH CITY REQUIREMENTS.
- 5. COORDINATE CONNECTIONS TO EXISTING UTILITY SYSTEMS WITH UTILITY OWNER.
- 6. SEE SHEET SHEET C500 FOR NEW UTILITY STRUCTURE INFORMATION
- 7. ADJUST ALL CASTINGS AND VALVE BOXES WITHIN PROJECT LIMITS TO FINAL ELEVATION 1/4" BELOW FINISHED SURFACE.
- 8. ALL PIPE CONSTRUCTION IS SUBJECT TO VIDEO INSPECTION TO CONFIRM THAT THERE ARE NO SAGS IN THE PIPE PROFILE. PIPE MUST HAVE A CONTINUOUS STRAIGHT SLOPE BETWEEN
- 9. SEE SHEET E030 FOR ELECTRICAL SITE LIGHTING.
- 10. SEE SHEET E040 FOR ELECTRICAL SITE POWER AND SYSTEMS PLAN.

PLAN LEGEND

(SEE SITE SURVEY FOR EXISTING FEATURES LEGEND) XX REMOVE TREE/SHRUB REMOVE CURB

REMOVE UNDERGROUND UTILITY · X X X ·

ABANDON UTILITY IN-PLACE REMOVE PAVEMENT/WALK MILL PAVEMENT

REMOVE BUILDING SAWCUT LINE



NEW CONTROL JOINT CONSTRUCTION LIMITS

EXISTING CONTOUR PROPOSED INDEX CONTOUR

PROPOSED SPOT ELEVATION **EXISTING SPOT ELEVATION** DRAINAGE ARROW

> DRAINAGE DIVIDE **NEW MANHOLE NEW DRAINAGE STRUCTURE NEW HYDRANT**

SOIL BORING

EXISTING GAS

SILT FENCE

LIGHT FIXTURES

· A A A A _____

EXISTING INDEX CONTOUR PROPOSED CONTOUR 112 $_{\perp}$ 112.47

NEW GATE VALVE

EXISTING COMBINED SEWER **EXISTING STORM SEWER**

EXISTING WATER MAIN NEW SANITARY SEWER ->-->-

NEW STORM SEWER **NEW WATER MAIN**

INLET PROTECTION

EROSION FIBER LOG

EROSION CONTROL BLANKET

333 East Erie Street Milwaukee, Wisconsin 53202 Telephone 414.278.8200



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MILWAUKEE ACADEMY OF SCIENCE

> **GYMNASIUM ADDITION**



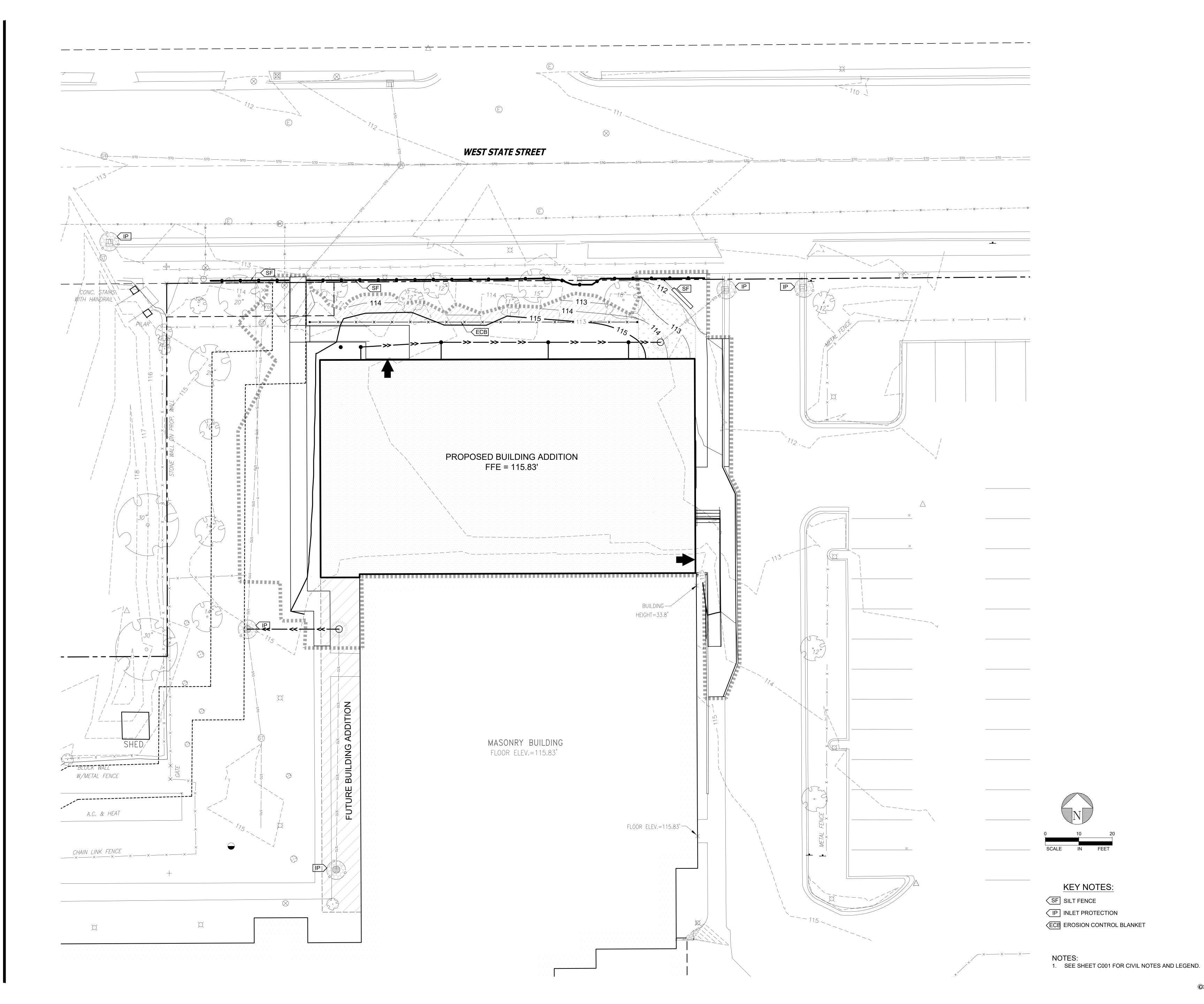
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CIVIL **NOTES LEGEND**

4603-001-00

DATE: MAY 21, 2021

CITY SUBMITTAL





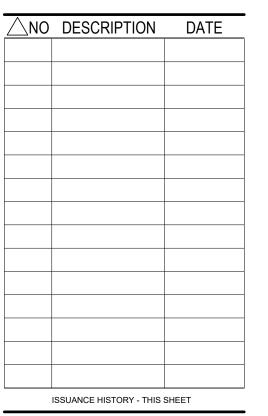


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MILWAUKEE ACADEMY OF SCIENCE

> GYMNASIUM ADDITION





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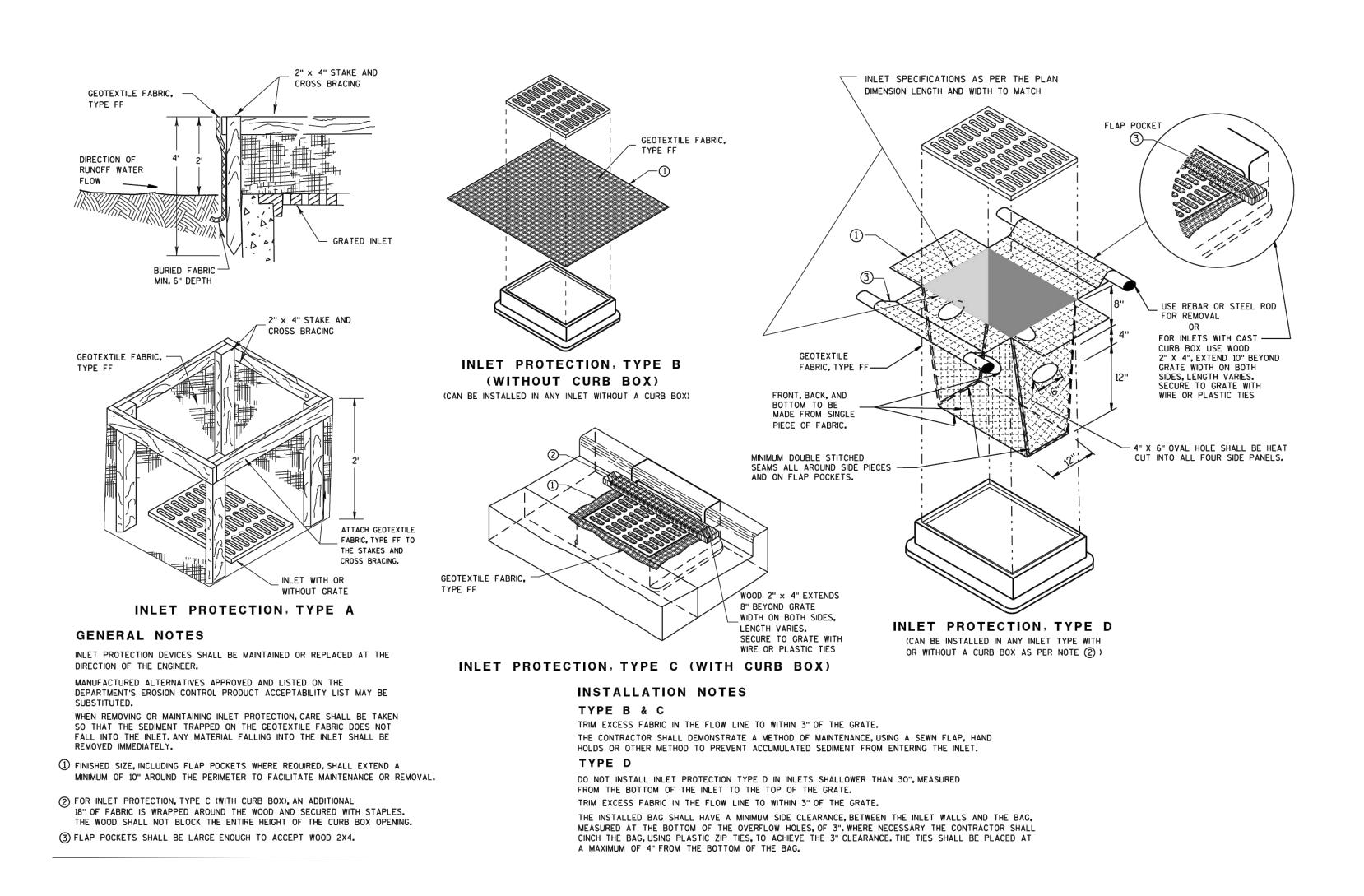
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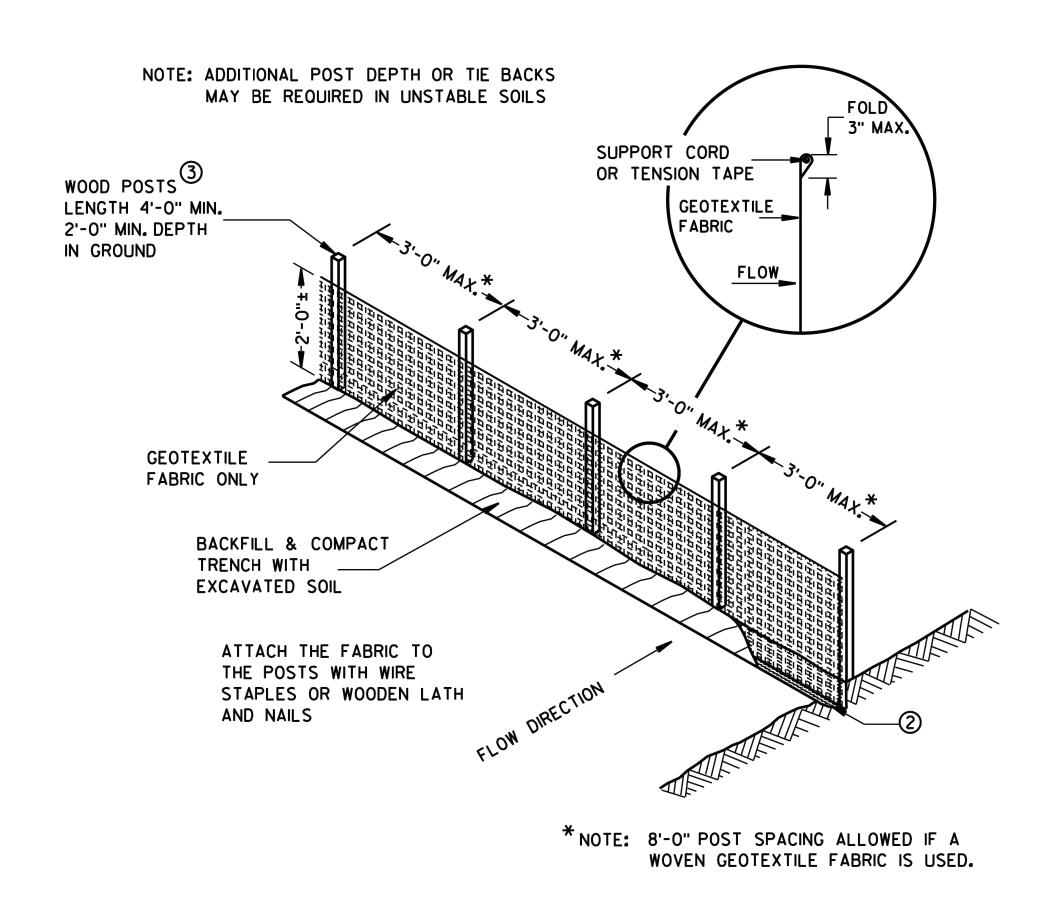
EROSION AND SEDIMENT CONTROL

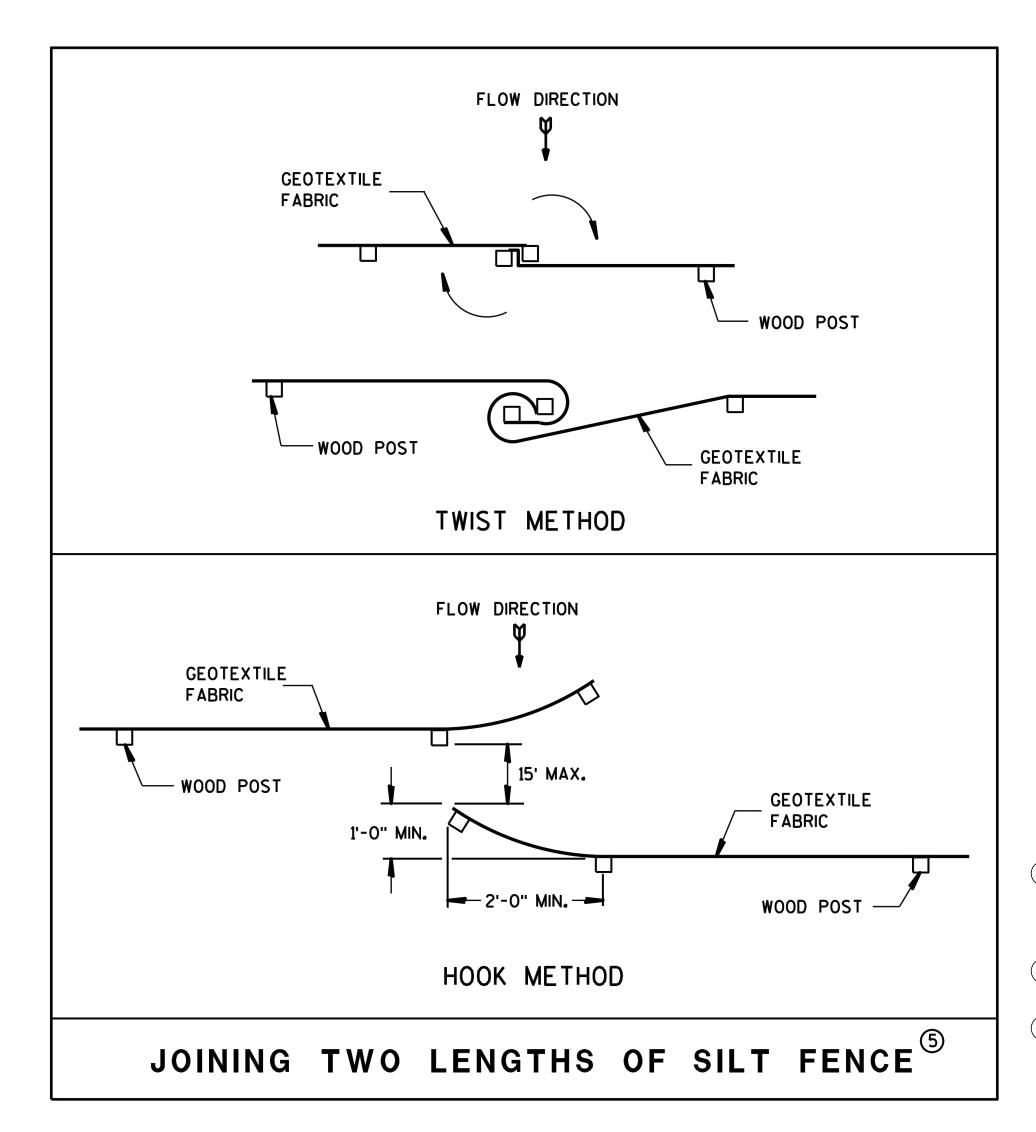
PLANDATE: MAY 21, 2021

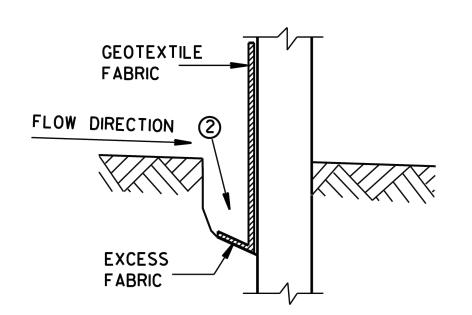
CONSTRUCTION DOCUMENTS

<u>C100</u>

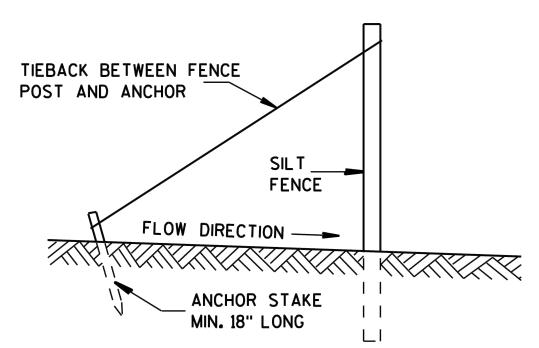








TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

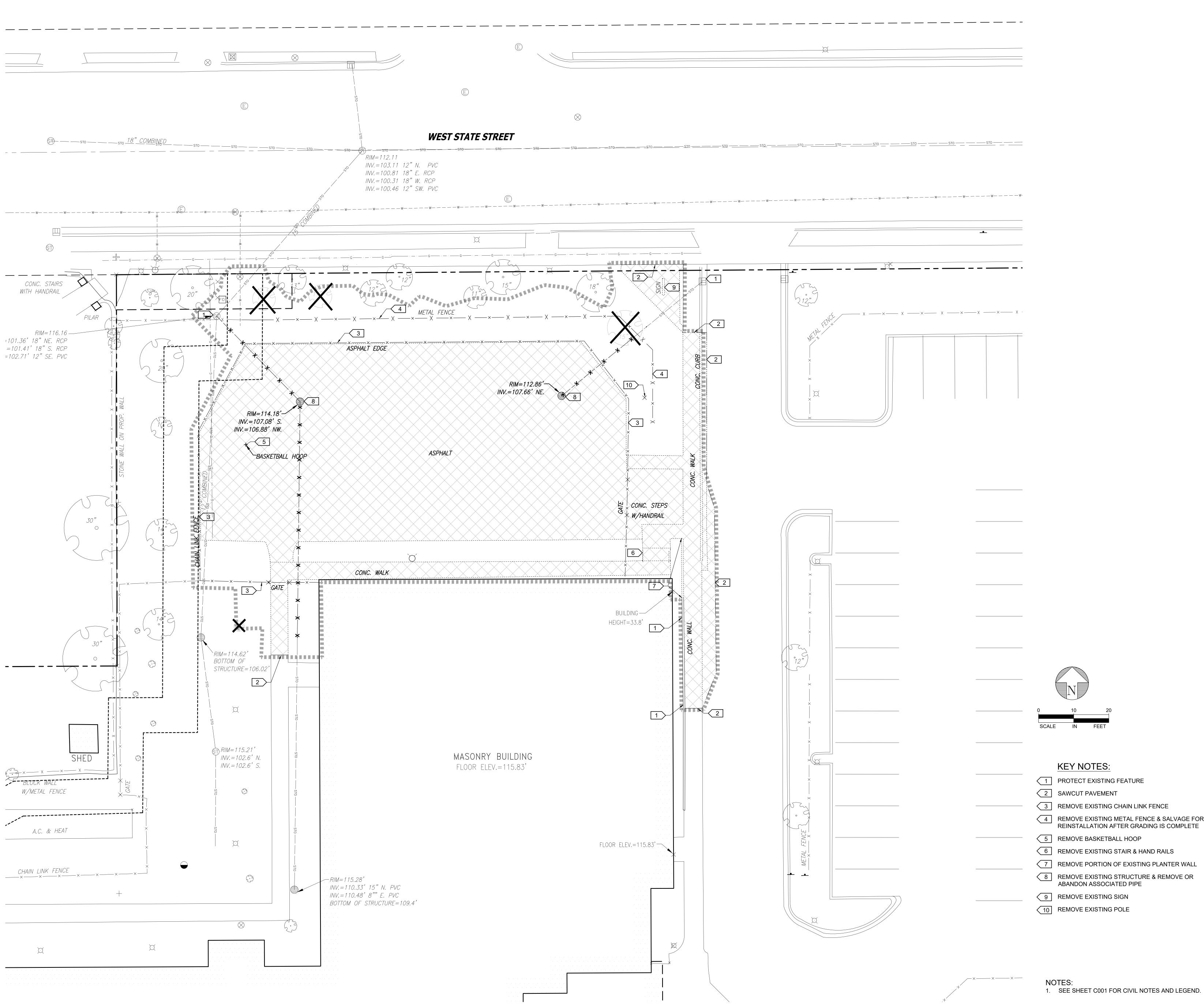
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS

- FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 $\frac{1}{8}$ " X 1 $\frac{1}{8}$ " OF OAK OR
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.

SILT FENCE

EROSION CONTOL DETAILS



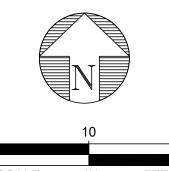


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MILWAUKEE ACADEMY OF SCIENCE

> GYMNASIUM **ADDITION**





KEY NOTES:

- 1 PROTECT EXISTING FEATURE
- 2 SAWCUT PAVEMENT
- 3 REMOVE EXISTING CHAIN LINK FENCE 4 REMOVE EXISTING METAL FENCE & SALVAGE FOR REINSTALLATION AFTER GRADING IS COMPLETE
- 5 REMOVE BASKETBALL HOOP
- 6 REMOVE EXISTING STAIR & HAND RAILS
- 7 REMOVE PORTION OF EXISTING PLANTER WALL
- 8 REMOVE EXISTING STRUCTURE & REMOVE OR ABANDON ASSOCIATED PIPE
- 9 REMOVE EXISTING SIGN

△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET

DEMOLITION PLAN

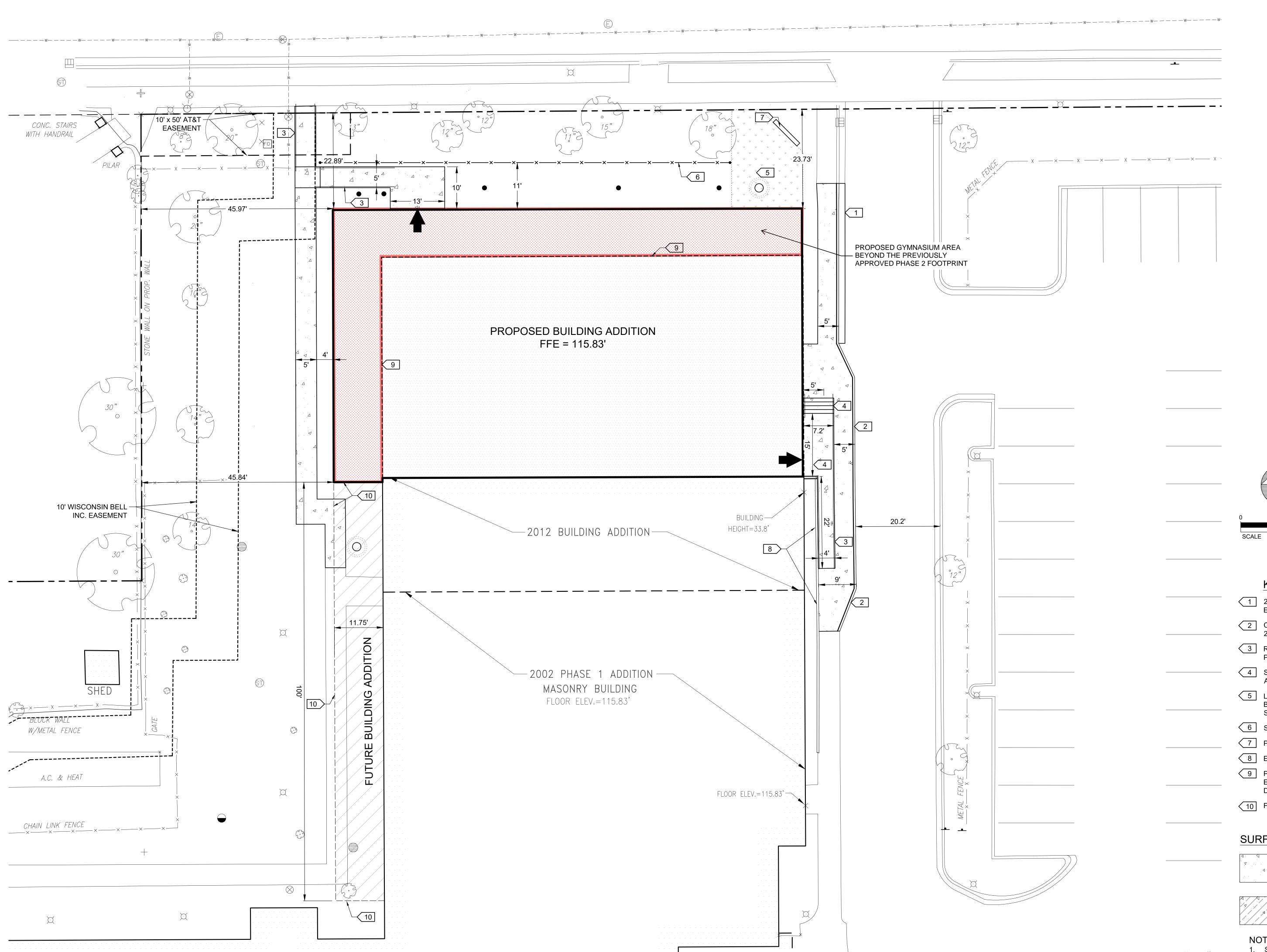
4603-001-00

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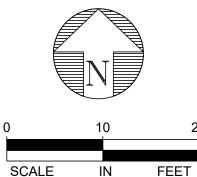
WEST STATE STREET

MILWAUKEE ACADEMY OF

GYMNASIUM **ADDITION**



△NO DESCRIPTION DATE



KEY NOTES:

1 24" CONCRETE CURB AND GUTTER TO MATCH EXISTING - SEE DETAIL 1/C900

2 CURB FACED CONCRETE SIDEWALK - SEE DETAIL 2/C900

3 RAMP WITH HAND RAILS - SEE ARCHITECTURAL PLANS FOR DETAIL

4 STAIR WITH HAND RAILS TO STOOP - SEE ARCHITECTURAL PLANS FOR DETAIL

5 LANDSCAPE AREA - DETAILED LANDSCAPE PLAN TO BE PROVIDED DESIGN BUILD UPON CONTRACTOR SELECTION

6 SALVAGED METAL FENCE

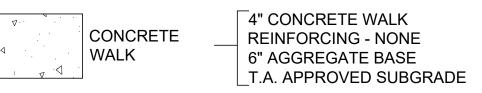
7 PROPOSED 4' x 8' SIGN

8 EXISTING PLANTER BED TO REMAIN

9 PREVIOUSLY APPROVED PHASE 2 BUILDING EXPANSION FOOTPRINT FROM 2002 PLANNED DEVELOPMENT

10 FUTURE BUILDING ADDITION

SURFACING LEGEND:



RAMP, STOOP & STAIR

SEE ARCHITECTURE PLANS FOR DETAIL

1. SEE SHEET C001 FOR CIVIL NOTES AND LEGEND.

DATE: MAY 21, 2021 CONSTRUCTION DOCUMENTS

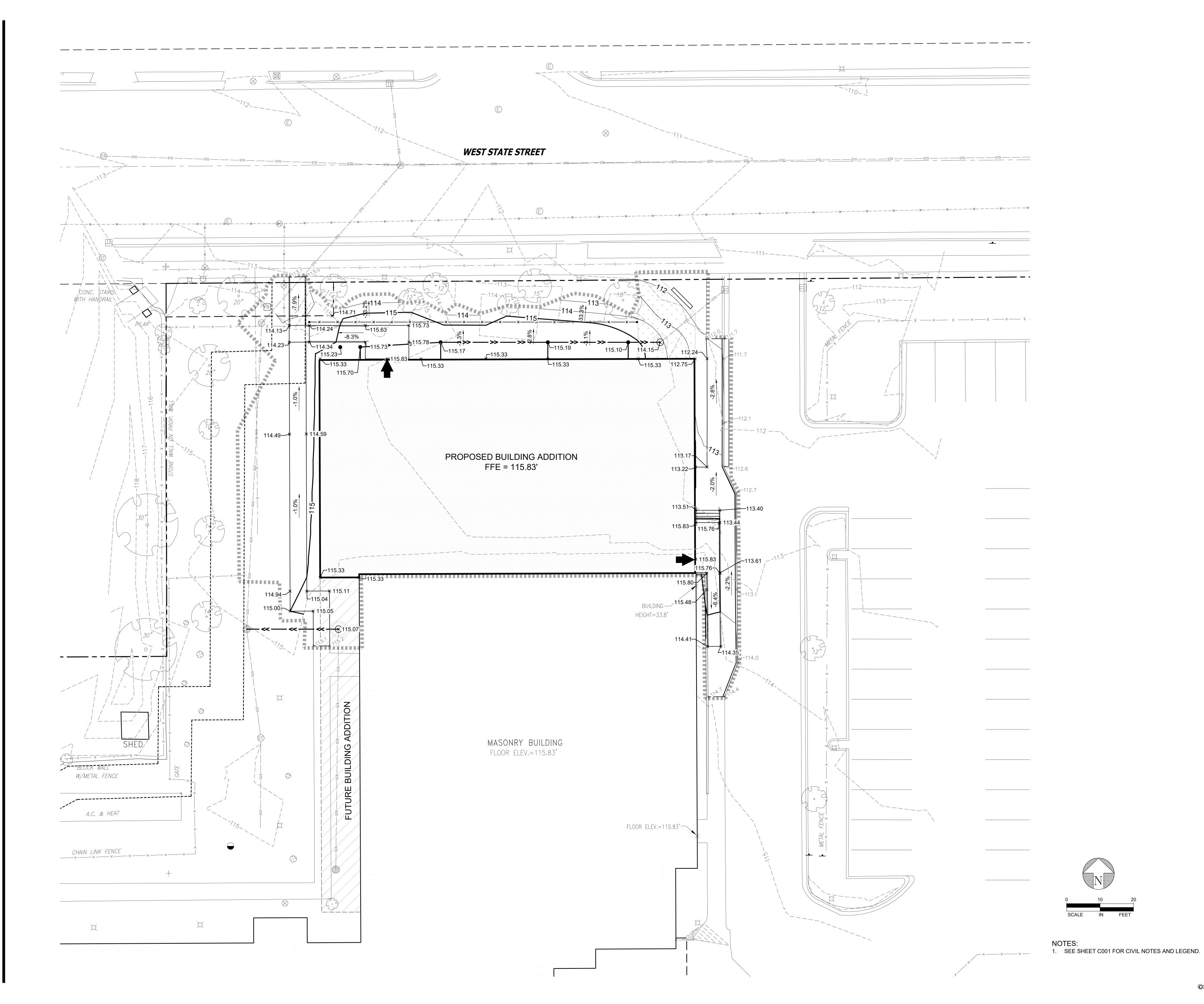
ISSUANCE HISTORY - THIS SHEET

4603-001-00

LAYOUT

<u>PLAN</u>

SURFACING





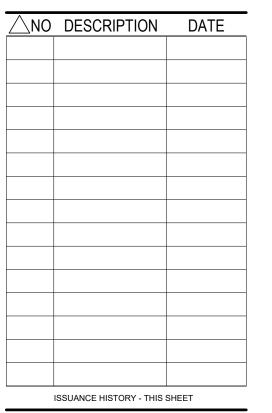


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MILWAUKEE ACADEMY OF SCIENCE

GYMNASIUM



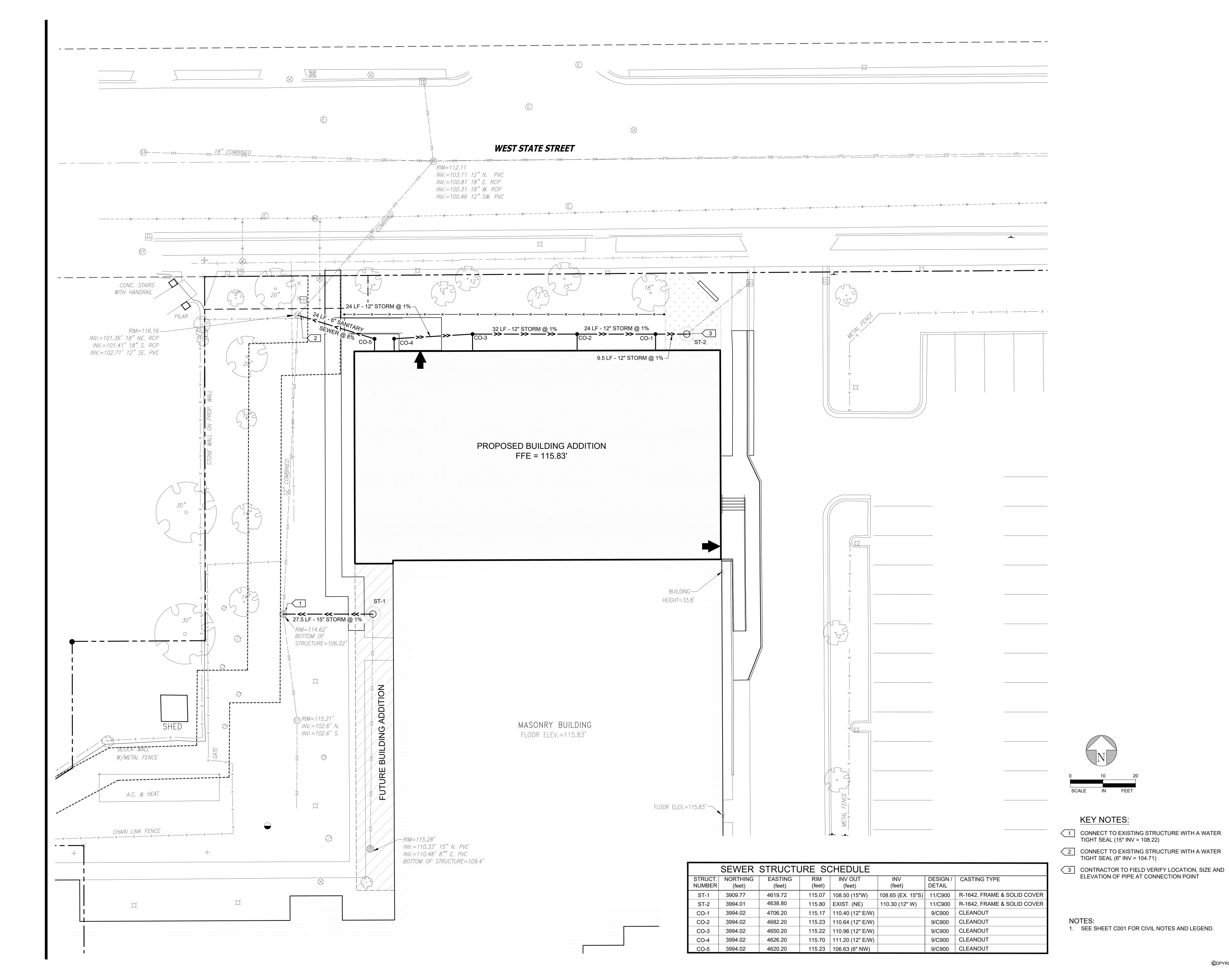


4603-001-00

SITE PLAN

DATE: MAY 21, 2021

CONSTRUCTION DOCUMENTS





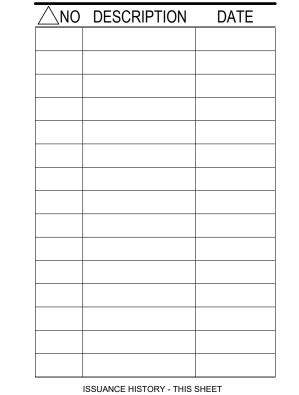


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MILWAUKEE ACADEMY OF

GYMNASIUM





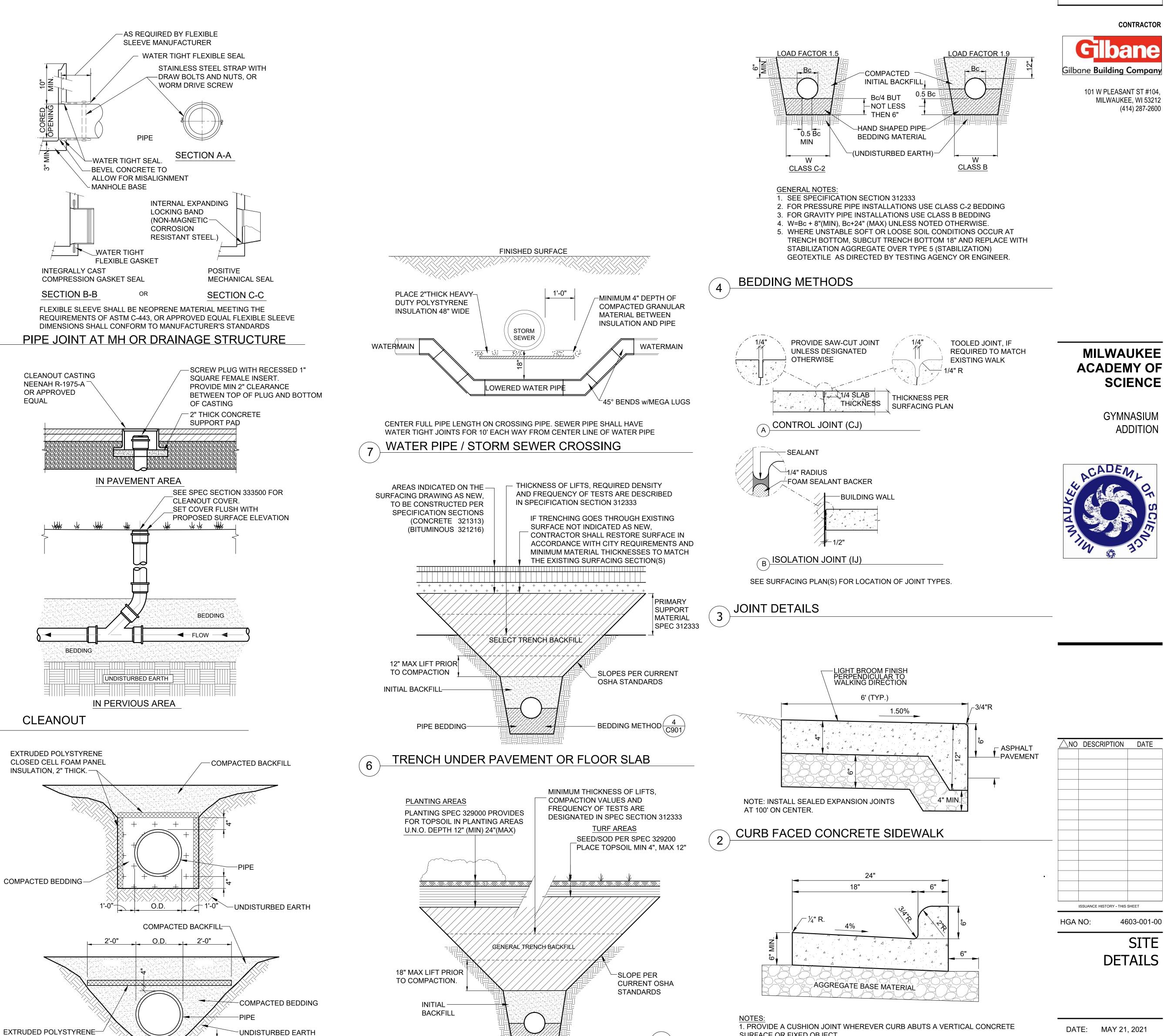
HGA NO: 4603-001-00

SITE UTILITY

PLAN

DATE: MAY 21, 2021 CONSTRUCTION DOCUMENTS





BEDDING METHOD $\frac{4}{C90}$

PIPE BEDDING-

GENERAL TRENCH BACKFILL

SURFACE OR FIXED OBJECT

2. PROVIDE A 1/2" EXPANSION JOINT AT RADII

3. PROVIDE A TOOLED JOINT EVERY 10 FEET (TYPICAL)

24" CONCRETE CURB AND GUTTER

PROVIDE MORTAR FILLET WITH— FORMED SMOOTH INVERT. _REFER DETAIL 8/C901 FOR PIPE JOINT AT MH 4 MANHOLE SECTIONS ARE INSTALLED WITH BELL END FACING UP FOR UNIFORMITY AND INTERCHANGEABILITY 5 REINFORCING SHALL BE A MINIMUM OF A SINGLE LINE WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SA. IN. PER FOOT OF HEIGHT. PRECAST SEWER MANHOLE

STEPS PER

STANDARDS

CURRENT OSHA \

48" TYPICAL

(UNLESS NOTED

OTHERWISE IN

SCHEDULE)

STRUCTURE

PRECAST CONCRETE

RUBBER

GASKET

ADJUSTING RINGS. 6" MIN. 12" MAX.

- FOR SANITARY MANHOLES:

UNLESS NOTED OTHERWISE

NEENAH R-1642 W/ SOLID COVER,

- CASTING AND PRECAST RINGS MUST BE SET ON A FULL MORTAR BED

1. SLEEVE NOTES:SHIM OR ADAPTER

MEETING THE REQUIREMENTS OF

ASTM C-443 OR THE FOLLOWING

FOR "NON-STANDARD" PIPE ALLOWABLE. FLEXIBLE SLEEVE SHALL BE NEOPRENE MATERIAL

2. TENSILE STRENGTH, 1500 PSI

ELONGATION AT RUPTURE, 450%

COMPRESSION SET, 25% MAX.

DUROMETER 50±5 (ASTM D 2240)

CLOSED CELL FOAM PANEL

PIPE INSULATION

INSULATION, 2" THICK.

3. FLEXIBLE SLEEVE DIMENSIONS

PRODUCERS STANDARDS.

MIN. (DIE C, ASTM D 412)

MIN. (DIE C, ASTM D 412)

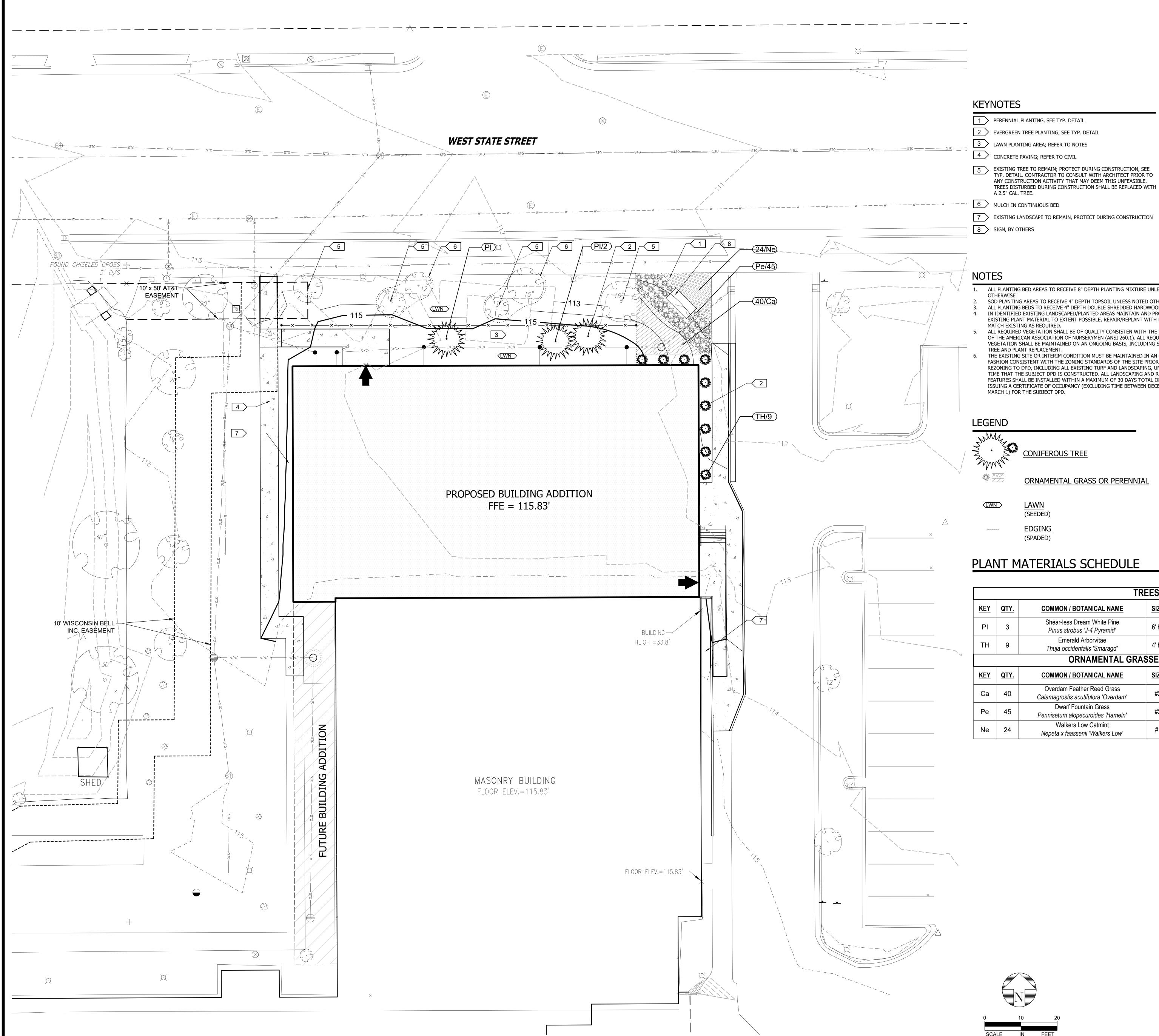
4 (22 HRS @ 70°C. ASTM D395,

SHALL CONFORM TO

METHOD B.)

ELASTOMER EPDM:

CITY SUBMITTAL





CONTRACTOR



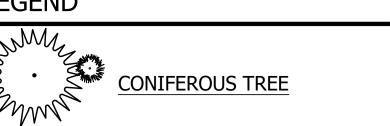
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MILWAUKEE

ACADEMY OF

GYMNASIUM

- 1. ALL PLANTING BED AREAS TO RECEIVE 8" DEPTH PLANTING MIXTURE UNLESS NOTED
- ALL PLANTING BEDS TO RECEIVE 4" DEPTH DOUBLE SHREDDED HARDWOOD MULCH
- ALL REQUIRED VEGETATION SHALL BE OF QUALITY CONSISTEN WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN (ANSI 260.1). ALL REQUIRED VEGETATION SHALL BE MAINTAINED ON AN ONGOING BASIS, INCLUDING SEASONAL
- TIME THAT THE SUBJECT DPD IS CONSTRUCTED. ALL LANDSCAPING AND REQUIRED SITE FEATURES SHALL BE INSTALLED WITHIN A MAXIMUM OF 30 DAYS TOTAL OF THE CITY ISSUING A CERTIFICATE OF OCCUPANCY (EXCLUDING TIME BETWEEN DECEMBER 1 AND MARCH 1) FOR THE SUBJECT DPD.

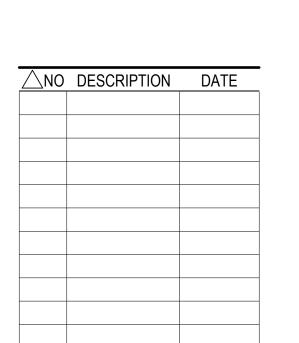


ORNAMENTAL GRASS OR PERENNIAL

EDGING (SPADED)

PLANT MATERIALS SCHEDULE

TREES						
<u>KEY</u>	QTY.	COMMON / BOTANICAL NAME	SIZE	ROOT	SPACING	NOTES
PI	3	Shear-less Dream White Pine Pinus strobus 'J-4 Pyramid'	6' ht.	B&B	as shown	
TH	9	Emerald Arborvitae Thuja occidentalis 'Smaragd'	4' ht.	B&B	+/- 6' O.C.	Trim to uniform ht.
		ORNAMENTAL GR	ASSES 8	& PERE	NNIALS	
<u>KEY</u>	QTY.	COMMON / BOTANICAL NAME	SIZE	ROOT	<u>SPACING</u>	NOTES
Ca	40	Overdam Feather Reed Grass Calamagrostis acutifulora 'Overdam'	#2	Ctnr.	24" o.c.	
Pe	45	Dwarf Fountain Grass Pennisetum alopecuroides 'Hameln'	#2	Ctnr.	24" o.c.	
Ne	24	Walkers Low Catmint Nepeta x faassenii 'Walkers Low'	#1	Ctnr.	24" o.c.	

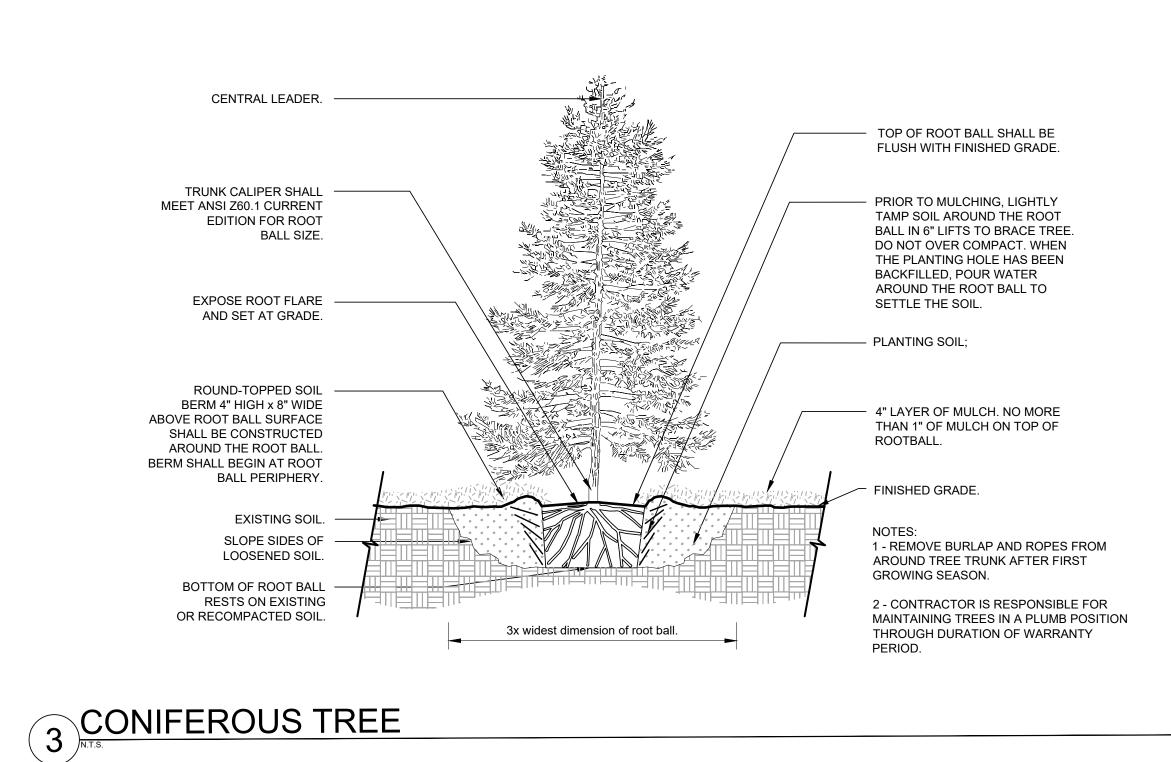


LANDSCAPE PLAN

ISSUANCE HISTORY - THIS SHEET

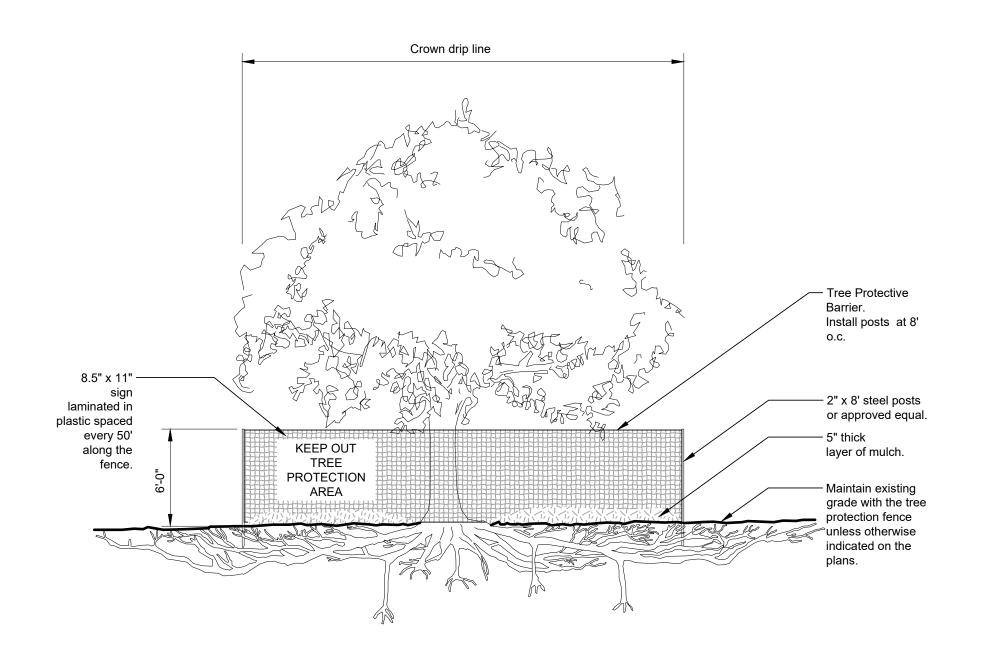
DATE: MAY 21, 2021

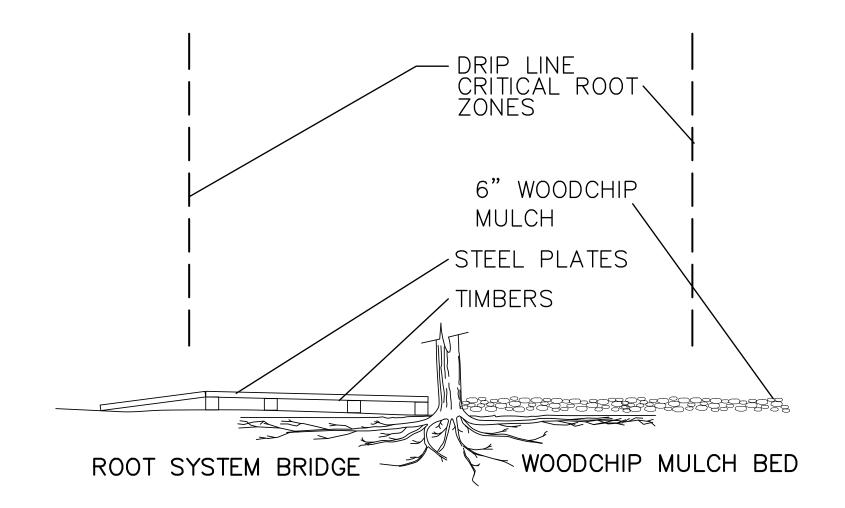
CONSTRUCTION DOCUMENTS



SHRUB OR PERENNIAL. 4" LAYER OF MULCH. - ROOTBALL. NO MORE THAN 1" OF MULCH ON TOP OF — - 4" HIGH x 8" WIDE ROUND - TOPPED SOIL ROOT BALL. (SEE BERM ABOVE ROOT BALL SURFACE SHALL SPECIFICATIONS BE CONSTRUCTED AROUND THE ROOT BALL. FOR MULCH). BERM SHALL BEGIN AT ROOT BALL PERIPHERY. - PRIOR TO MULCHING, LIGHTLY TAMP SOIL FINISHED GRADE. AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN THE SLOPE SIDES OF -PLANTING HOLE HAS BEEN BACKFILLED, POUR LOOSENED SOIL. WATER AROUND THE ROOT BALL TO SETTLE THE SOIL. PLANTING SOIL;-EXISTING SOIL. 3x's WIDEST DIMENSION OF ROOT BALL. ROOT BALL RESTS— ON EXISTING OR RECOMPACTED SOIL. **SECTION VIEW**

ORNAMENTAL GRASS AND PERENNIAL





IF CONSTRUCTION VEHICLES MUST PASS OVER ROOT ZONES, THE CONTRACTOR MUST EITHER:

1. CONSTRUCT ROOT SYSTEM BRIDGES WITH STEEL PLATE SUPPORTED ON WOOD TIMBERS PLACED RADIALLY TO THE TREE TRUNK.

OR

2. PLACE A 6 INCH LAYER OF WOODCHIP MULCH OVER A TYPE III GEOTEXTILE.

1 TREE PROTECTION



Gilbane Building Company

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MILWAUKEE ACADEMY OF SCIENCE

> GYMNASIUM ADDITION



NO DESCRIPTION DATE

HGA NO:

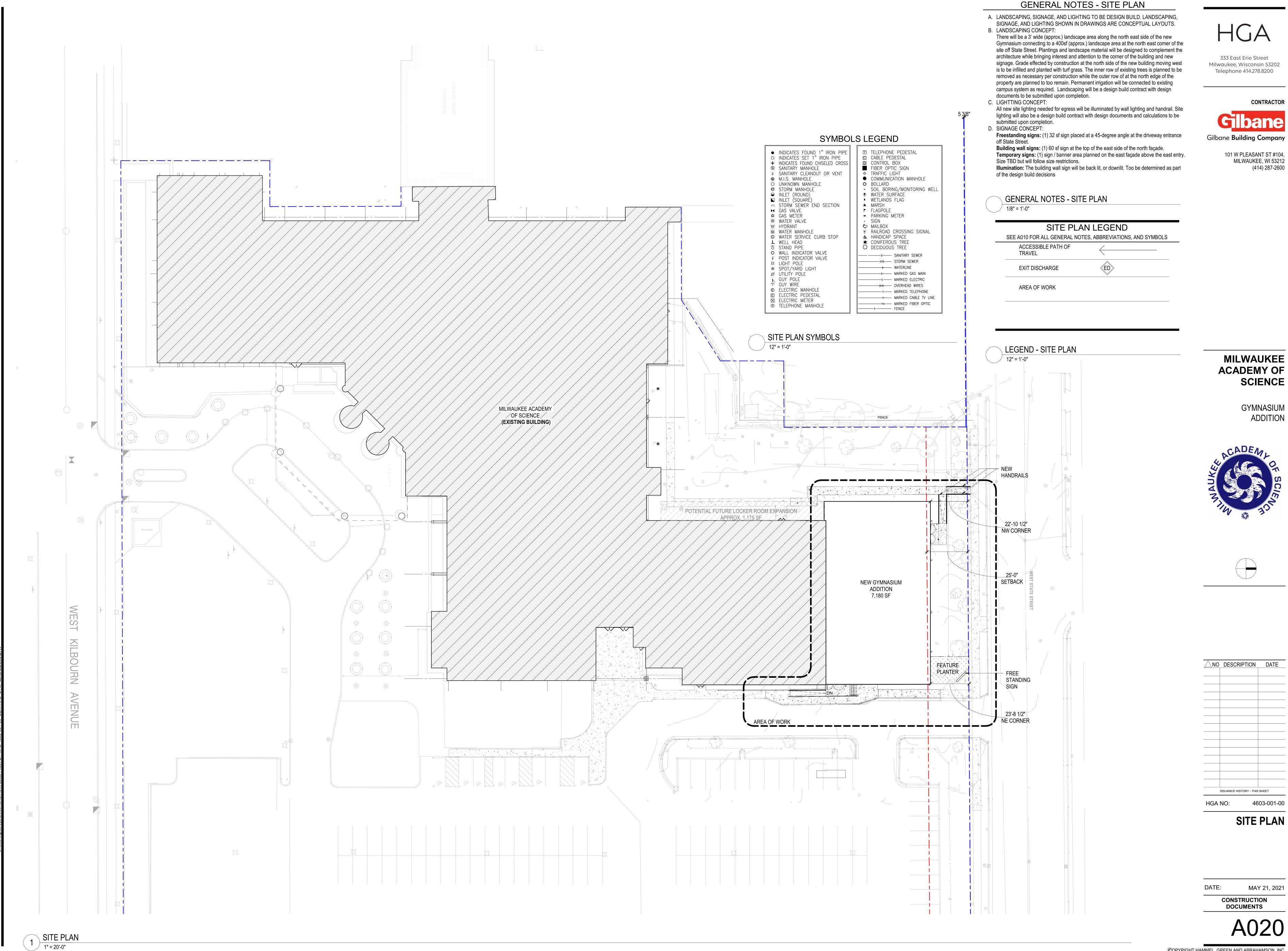
LANDSCAPE DETAILS

4603-001-00

DATE: MAY 21, 2021

CONSTRUCTION DOCUMENTS

L200



333 East Erie Street Milwaukee, Wisconsin 53202



101 W PLEASANT ST #104, MILWAUKEE, WI 53212

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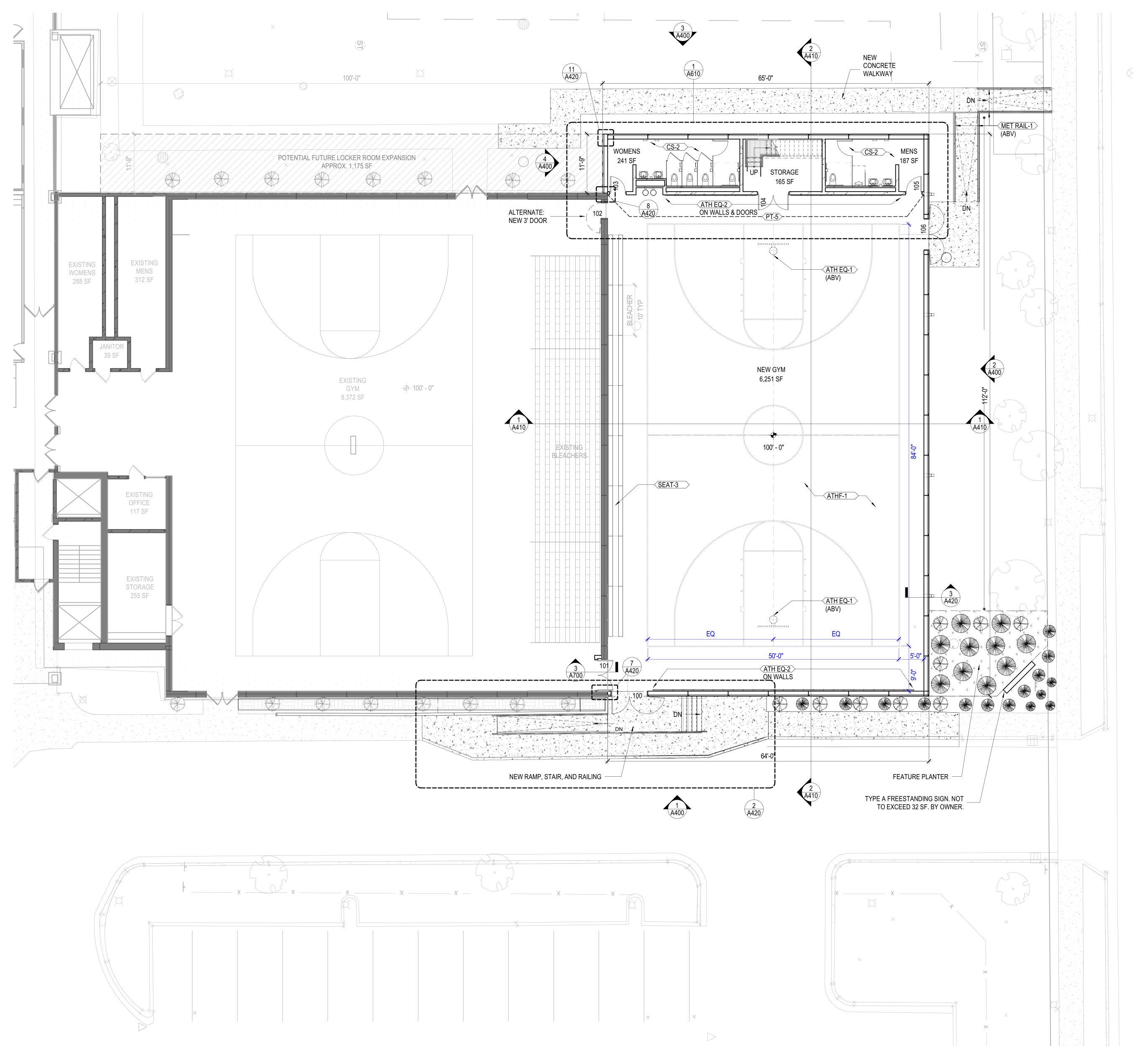
> GYMNASIUM **ADDITION**





△NO DESCRIPTION DATE ISSUANCE HISTORY - THIS SHEET 4603-001-00

SITE PLAN



GENERAL NOTES - FLOOR PLAN

- A. ALL INTERIOR PARTITIONS SHALL BE "M8b" UNLESS NOTED OTHERWISE.
- B. ALL WALLS TO BE PAINTED PT-1 U.N.O. C. PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES, UNLESS NOTED OTHERWISE. PLAN DIMENSIONS INDICATED AS "HOLD" OR "CLEAR" DIMENSIONS ARE FROM FACE OF APPLIED FINISH.
- D. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT. . FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY
- F. CLOSE AND PATCH HOLES AND OPENINGS IN EXISTING FLOOR, WALL AND CEILING WHICH EXIST OR RESULT FROM DEMOLITION OR ALTERATION WORK TO MATCH ADJACENT
- UNDISTURBED SURFACES. G. M. REPAIR ANY DAMAGED MASONRY TO PROVIDE CONTINUOUS, SOLID FIRE RATED
- ENCLOSURE AT ALL.
- H. ALL WALLS TO RECEIVE PT-1, U.N.O.
- I. ALL WALLS TO RECEIVE RB-1
- J. PROVIDE FLOOR TRANSITIONS AND CHANGES IN LEVEL COMPLYING WITH REQUIREMENTS OF APPLICABLE BUILDING CODES AND AUTHORITIES HAVING
- K. PROTECT NEW WORK AND EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION PERIOD.

CONTRACTOR Gilbane Building Company

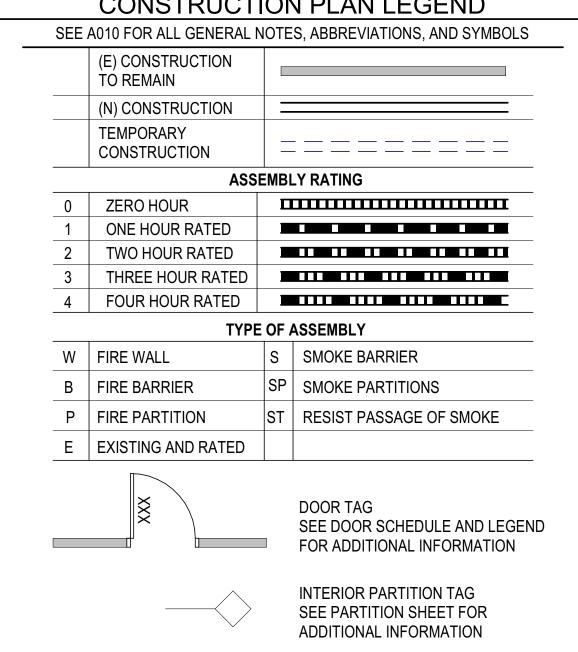
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Milwaukee, Wisconsin 53202

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CONSTRUCTION PLAN LEGEND



MILWAUKEE ACADEMY OF SCIENCE

> GYMNASIUM **ADDITION**



KEYNOTES - FLOOR PLAN

DESCRIPTION

SEE DOOR SCHEDULE AND LEGEND

FOR ADDITIONAL INFORMATION

TACTILE EXIT SIGNAGE

FLOOR PLAN

CONSTRUCTION

GENERAL NOTES - ROOF PLAN

- A. UNIFORMLY SLOPE TAPERED INSULATION MINIMUM 1/4" IN HEIGHT PER 1'-0" HORIZONTALLY (OR AS REQUIRED BY CODE) AT LEVEL ROOF AREAS, UNLESS OTHERWISE NOTED.
- B. MINIMUM ROOF INSULATION THICKNESS AT SCUPPERS (LOW POINT) = 4" SLOPE CRICKET INSULATION TO DRAIN AROUND PENETRATIONS (VENTS, STACK, ETC)
- GENERAL NOTES ROOF PLAN

 1/8" = 1'-0"



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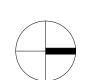


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GYMNASIUM ADDITION





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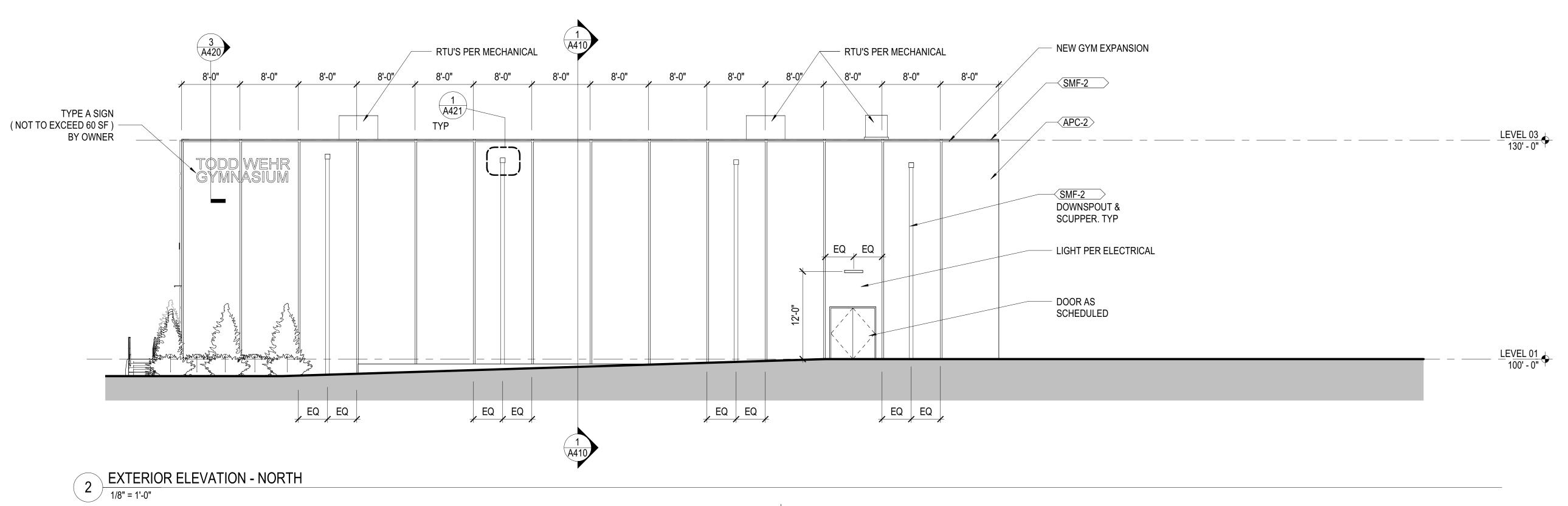
ROOF PLAN

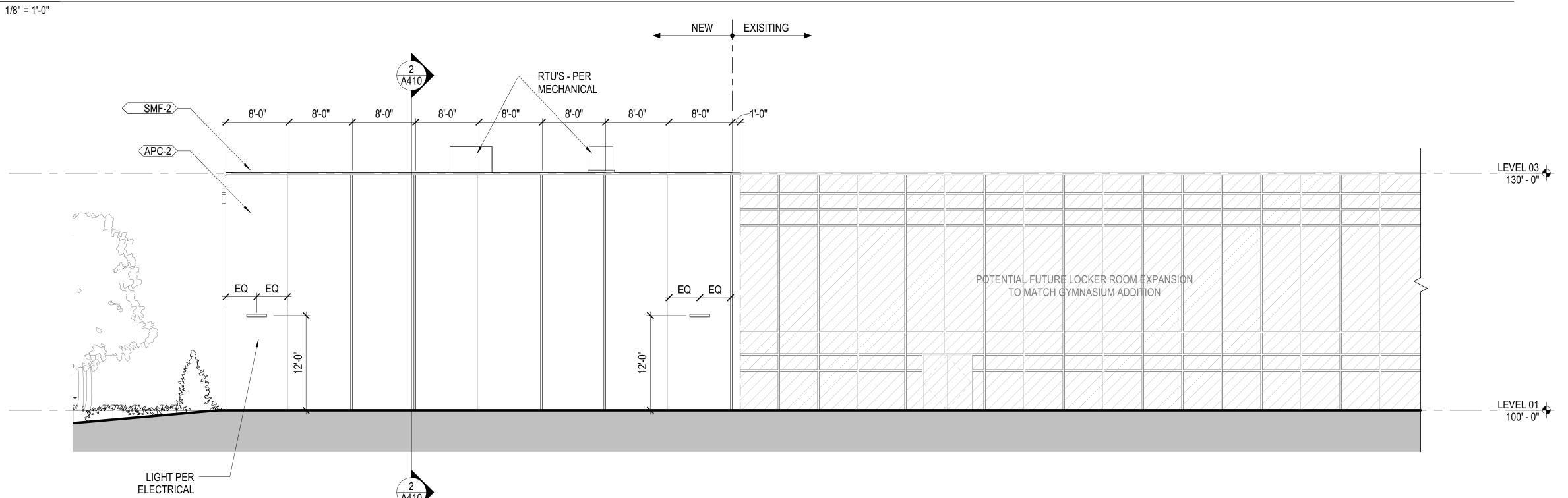
DATE: MAY 21, 2

CONSTRUCTION
DOCUMENTS

A220

EXTERIOR ELEVATION - EAST 1 EXTERION 1/8" = 1'-0"





3 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

A. ELEVATIONS OF EXISTING FLOORS ARE BASED ON SURVEY INFORMATION AND\OR AS-BUILT DRAWINGS PROVIDED BY THE OWNER. THE SURVEY DATA MAY NOT BE COMPLETE AND THE ACTUAL EXISTING ELEVATIONS MAY VARY IN DIFFERENT PORTIONS OF THE EXISTING BUILDING. ALL INFORMATION MUST BE FIELD VERIFIED AND COORDINATED BETWEEN NEW AND EXISTING CONSTRUCTION TO PROVIDE MATCHING FLOOR ELEVATIONS WHERE REQUIRED.



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KEYNOTES - EXTERIOR ELEVATION

DESCRIPTOIN

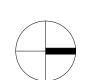


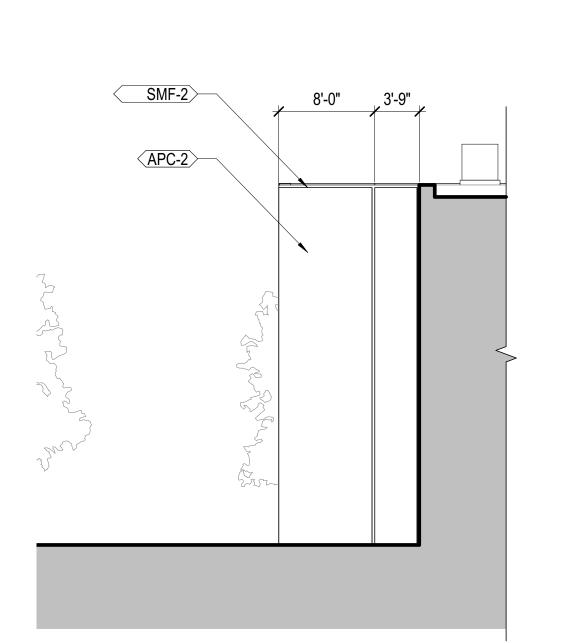
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GYMNASIUM ADDITION





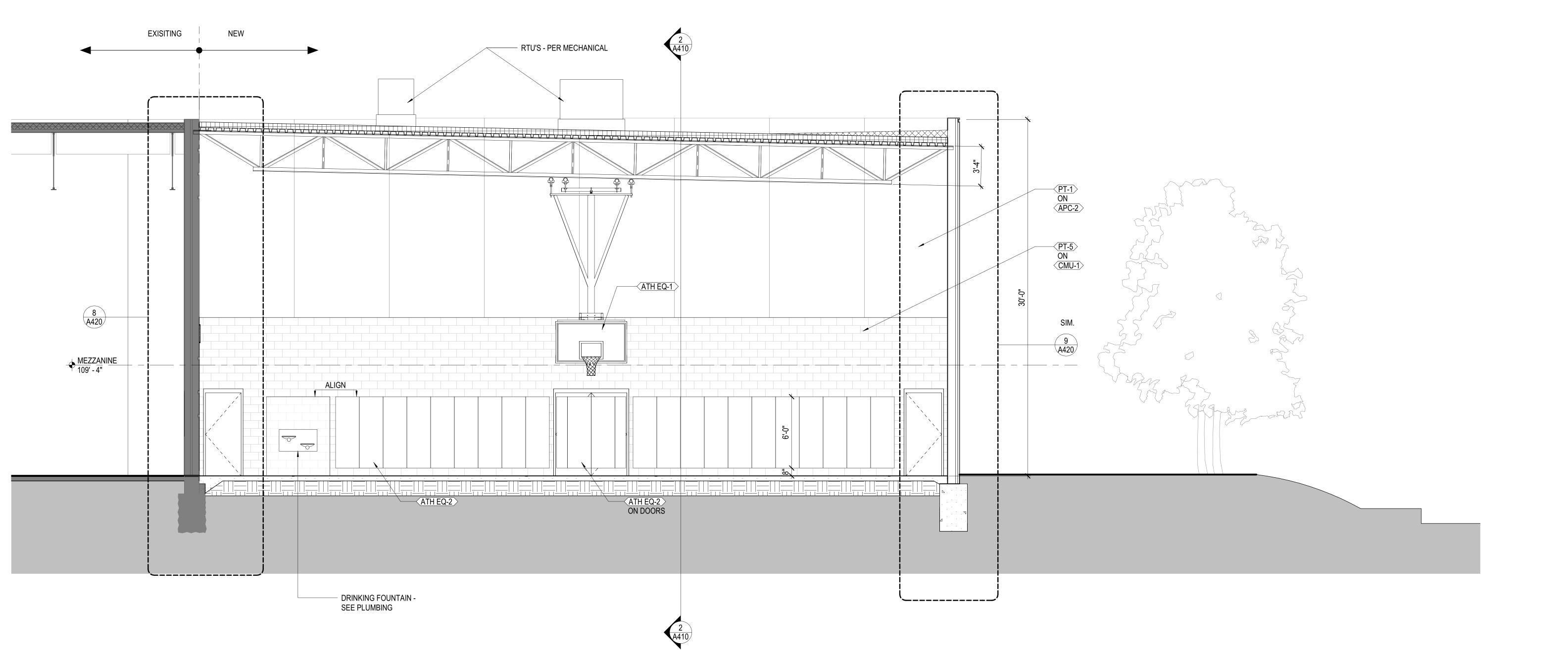


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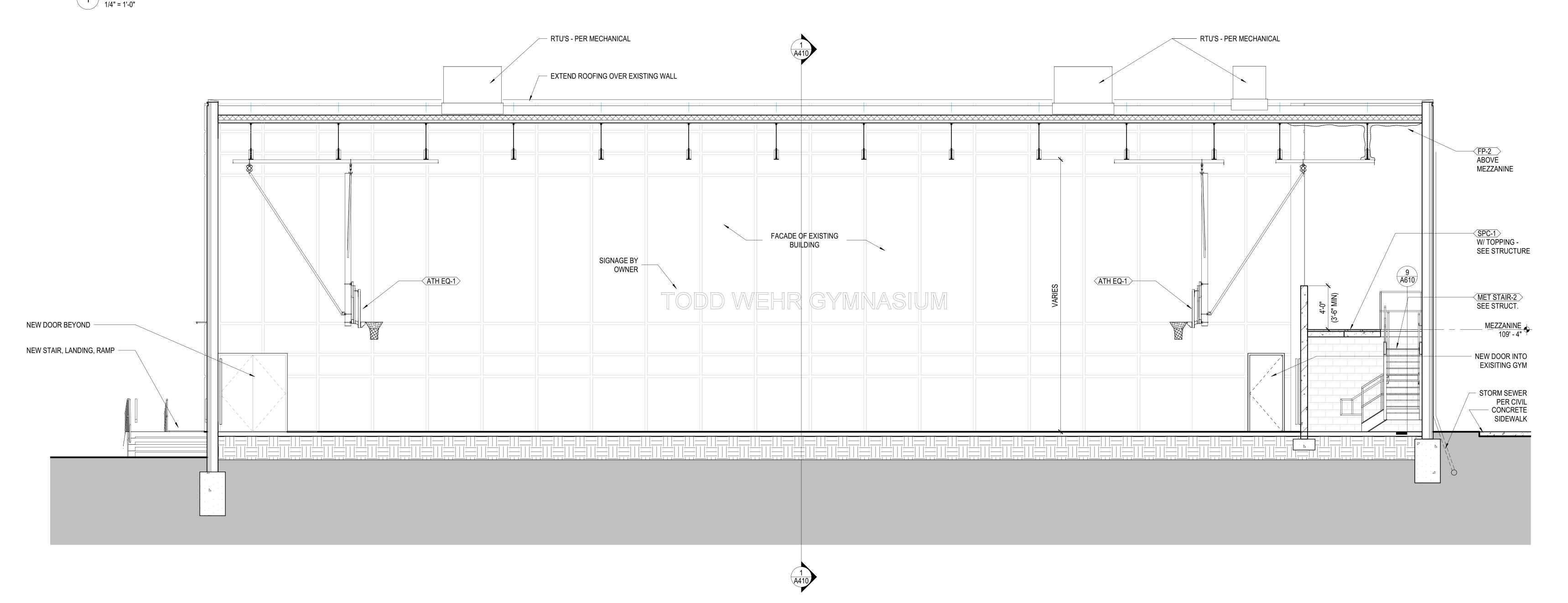
EXTERIOR ELEVATIONS

CONSTRUCTION DOCUMENTS

4 EXTERIOR ELEVATION - SOUTH - OPTION 1/8" = 1'-0"



1 BUILDING SECTION - TRANSVERSE
1/4" = 1'-0"



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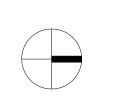


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> GYMNASIUM ADDITION





NO DESCRIPTION DATE

BUILDING SECTIONS

SECTIONS

DATE: MAY 21, 20

CONSTRUCTION
DOCUMENTS

Δ410

BUILDING SECTION - LONGITUDINAL

1/4" = 1'-0"







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MILWAUKEE ACADEMY OF SCIENCE

GYMNASIUM ADDITION



RENDERINGS

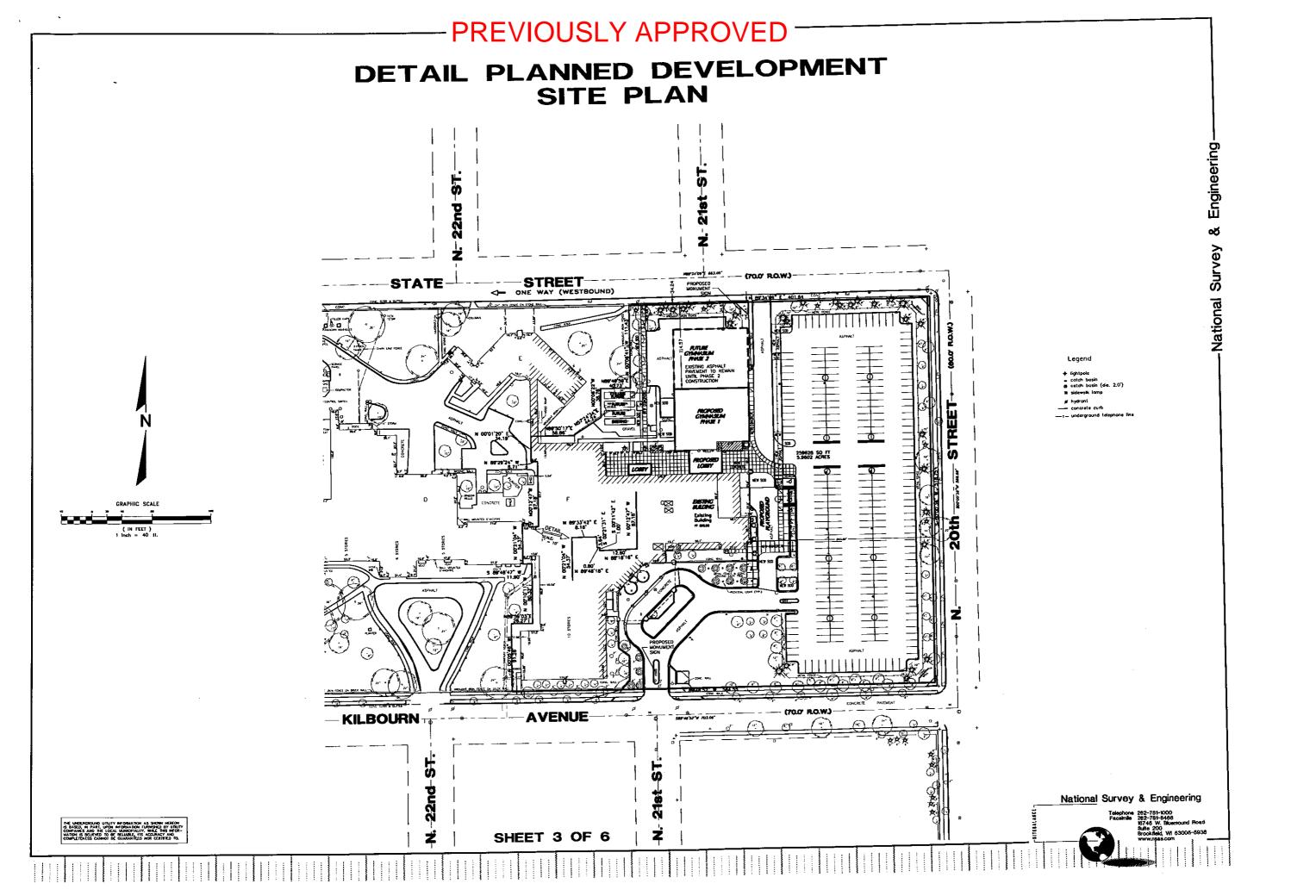
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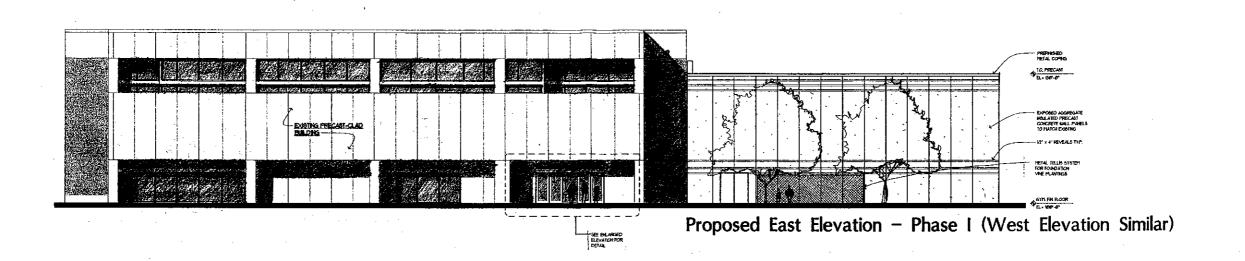
CONSTRUCTION DOCUMENTS

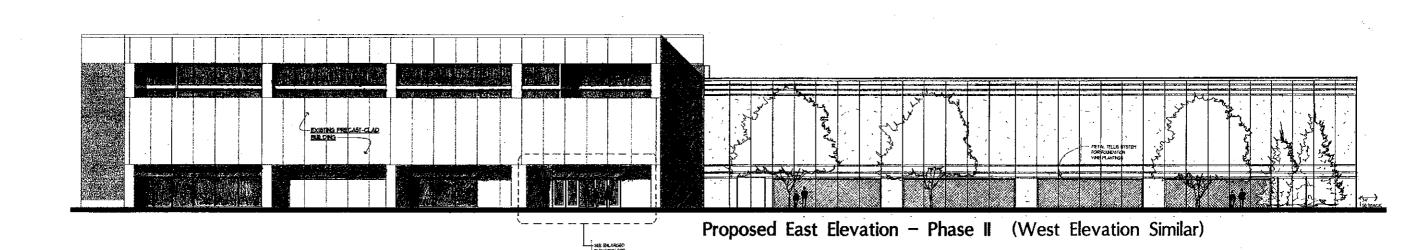


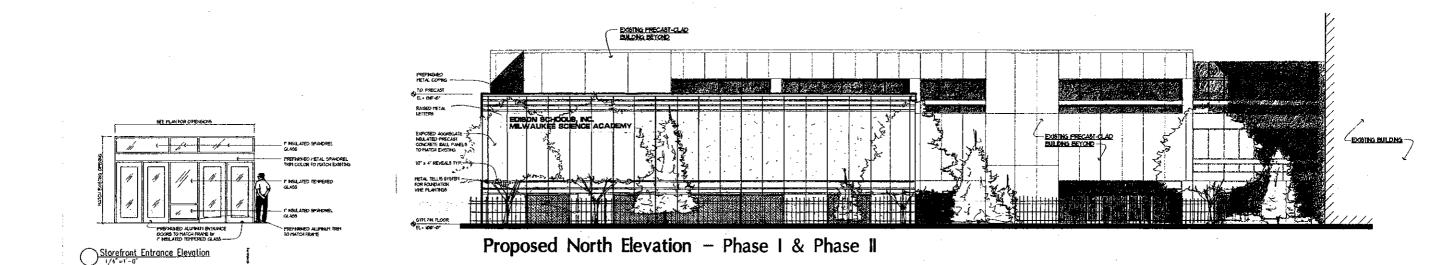
NORTH EAST AERIAL VIEW











Milwaukee Science Academy - Proposed Gymnasium Addition

TAKEN FROM PREVIOUSLY APPROVED DPD, File No. 981288

KILBOURN SQUARE

DESIGN STANDARDS FOR NEW STRUCTURES

Any new improvements at Kilbourn Square (the "Site") shall be designed and constructed in accordance with the design standards set forth below.

- Setbacks. Setbacks of new structures from lot lines fronting on public streets shall be consistent with the setbacks of adjacent or nearby existing structures. Where there are no adjacent or nearby structures, a minimum of 80 percent of any facade of a new building fronting on a public street should be located within 15 feet of the lot line abutting the street. In general, major streets should be lined with significant structures.
- 2. <u>Facades and Landscaping Treatments</u>. New improvements shall be designed in accordance with the following facade and urban landscape treatments:
 - (a) The principal facade of any new building (any façade facing a public street) shall have 75% vision glass windows at street level. The secondary facade of any new building (any facade facing the interior of the Site) shall have sufficient windows at ground level to provide views in and out of the building for security purposes. The main entrances of new buildings shall be pedestrian oriented. Building scale and architecture shall be consistent with the fabric and character of the surrounding neighborhood.
 - (b) Upon the development of new buildings or parking lots or upon the development of any significant exterior modifications to existing buildings or parking lots at the Site, landscaping in the area of the Site immediately surrounding the area undergoing development shall be upgraded to conform with the Design Standards Site Plan included with these design standards. New parking lots and new buildings with related parking shall be surrounded by urban landscape treatment, modified to blend with existing landscape buffers. Urban landscape treatment refers to formal landscape borders that use formal organized shapes and planting materials in combination with ornamental iron picket fences and/or decorative concrete walls or piers. These borders create a visual continuation or extension of the building plane as it relates to adjoining streets. Additional landscaping shall be integrated throughout the interior of surface parking lots, provided that no parking spaces shall be supplanted by landscaping. Additional trees shall be planted to further screen parking and loading areas on the Site from surrounding residences. Any dead, damaged or missing trees shall be replaced as shown in the Design Standards Site Plan.
- 3. <u>Crosswalks.</u> Pedestrian crosswalks shall be developed as shown in the Design Standards Site Plan. Crosswalks shall be delineated by any combination of painting, striping and pavers.
- 4. <u>Lighting</u>. Lighting for new buildings will conform to applicable City and State ordinances. All exterior lighting shall be screened to avoid causing glare onto adjoining streets and residences.
- 5. <u>Utilities.</u> All new utilities shall be installed underground. New transformers and substations will be installed within the new buildings or otherwise screened from view.

TAKEN FROM PREVIOUSLY APPROVED DPD, File No. 981288

KILLBOURN SQUARE

SIGNAGE STANDARDS

All signage at Kilbourn Square (the "Site") shall be designed and constructed in accordance with the signage standards set forth below.

- I. <u>Off-Premises Signs.</u> No off-premises signs relating to any use or structure not located on the Site shall be permitted.
- 2. On-Premises Signs. Monument and wall signs relating to any use or structure located on the Site shall be permitted. Billboard, roof-mounted and polemounted signs shall be prohibited. All signs shall be consistent with the character of the surrounding neighborhood and setback a minimum of five feet from the nearest lot line. No sign shall exceed 15 feet in height, inclusive of any mounting apparatus. Sign materials, including the mounting apparatus, sign surface and lettering, shall be colored primarily in natural tones. All lettering on signs shall consist of individual letters (not box-type signs). Signs may be illuminated, provided that the light source for an illuminated sign is shielded so that it is not visible from any surrounding residences. Internal illumination and back lighting of signs shall be allowed. Intermittent illumination and moving signs are prohibited.
 - (a) <u>General Permanent Signage</u>. One monument, directory-type sign shall be allowed at each intersection of two roads within the Site and at any vehicular entrance to the Site, up to a maximum of seven such signs on the entire Site. It is anticipated that signs will be erected at the comers of 20th and State Streets, 23rd and State Streets, 24th and State Streets, 23rd and Kilbourn Avenue and 20th and Kilbourn Avenue as well as at the vehicular entrances at 21st and Kilbourn Avenue and 22nd and Kilbourn Avenue. A directory-type sign shall identify the entire Site as "Kilbourn Square" and may separately identify one or more individual owners or tenants of any portion of the Site. The total surface area of any one directory-type sign shall not exceed 32 square feet. For purposes of calculating allowable sign areas under these signage standards, where a sign has parallel display surfaces which face in opposite directions, only one display surface shall be counted as sign surface area.
 - (b) Permanent Individual User Signs. Each owner or tenant of any portion of the Site shall be permitted to maintain one monument sign and one wall sign near their space advertising their name, address and business. The total surface area of all signs for any one owner or tenant of a portion of the Site shall not exceed 100 square feet. If any owner or tenant does not erect a monument sign near their space, the maximum square footage of that owner or tenant's permitted wall sign shall not exceed 60 square feet.
 - (c) Additional Signage. In addition to the signs permitted under subparagraphs (a) and (b) above, the following additional signs shall be permitted at the Site. There may be a reasonable number of signs providing traffic, parking and loading instructions pertaining to the Site. Signs related to the construction and financing of the development at the Site shall be allowed during construction but shall be removed when all construction on the Site is complete. A sign not to exceed 100 square feet pertaining to the lease or sale of all or any portion of the Site shall be permitted for each separate space that is for sale or vacant.















LOOKING WEST FROM PARKING LOT