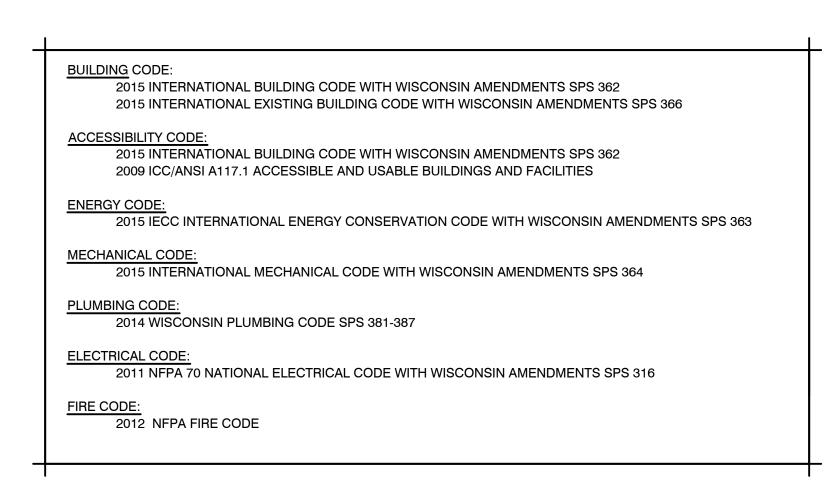
Consolidated Industries

Building Addition

Project Address

1207 Boomer Street

Watertown, WI 53094





SHE	ET INDEX										
		REV	'ISIC	NS							_
		1						Ш			_
G-001	COVER SHEET										
C-000	ARCHITECTURAL SITE PLAN										
C-001	EXISTING CONDITIONS & DEMO SITE PLAN										
C-002	SITE PLAN										
C-003	GRADING & EROSION CONTROL PLAN										_
C-004	CONSTRUCTION DETAILS										
A-201	RENDERING ELEVATIONS										_

Architects Seal	_
	_

Engineers Seal





MSI GENERAL CORPORATION OCONOMOWOC, WI 53066

PHONE: 262-367-3661

Site Plan Submittal:

WWW.MSIGENERAL.COM

Plan Comm. Submittal:	08/08/2024			
Contract:	xx/xx/xxxx			
State Submittal / Permit: xx/xx/xxxx				
Record Drawings: xx/xx/xxxx				
REVISIONS:				
1				

PROJECT ADDRESS:

ROJECT NAME

Consoildated Ind. Building Addition

1207 Boomer Street CITY/ STATE / ZIP

Watertown WI 53094

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION

 1		
		Reviewed By:
BJZ Sheet Title:	Pinnacle	
	R SHEET	-
Sheet Num	ber:	
G-(001	
Project Nur	mber:	
P1:	360	1

GENERAL

MSI GENERAL CORPORATION

OCONOMOWOC, WI 53066

P.O. BOX. 7

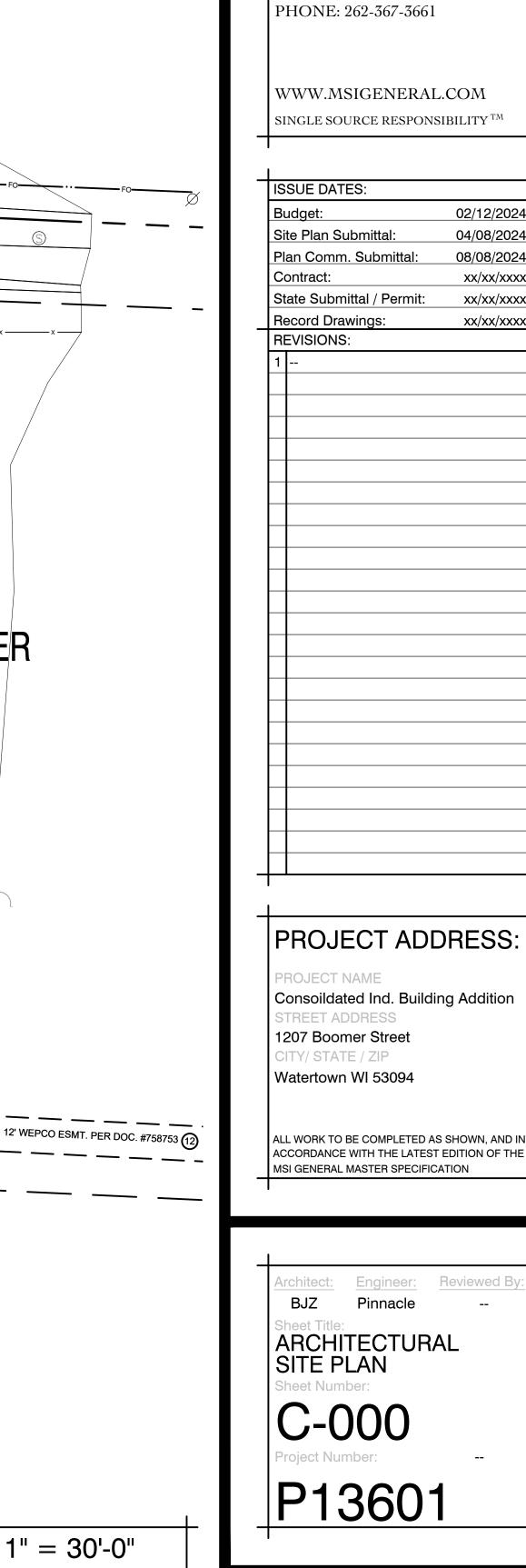
02/12/2024

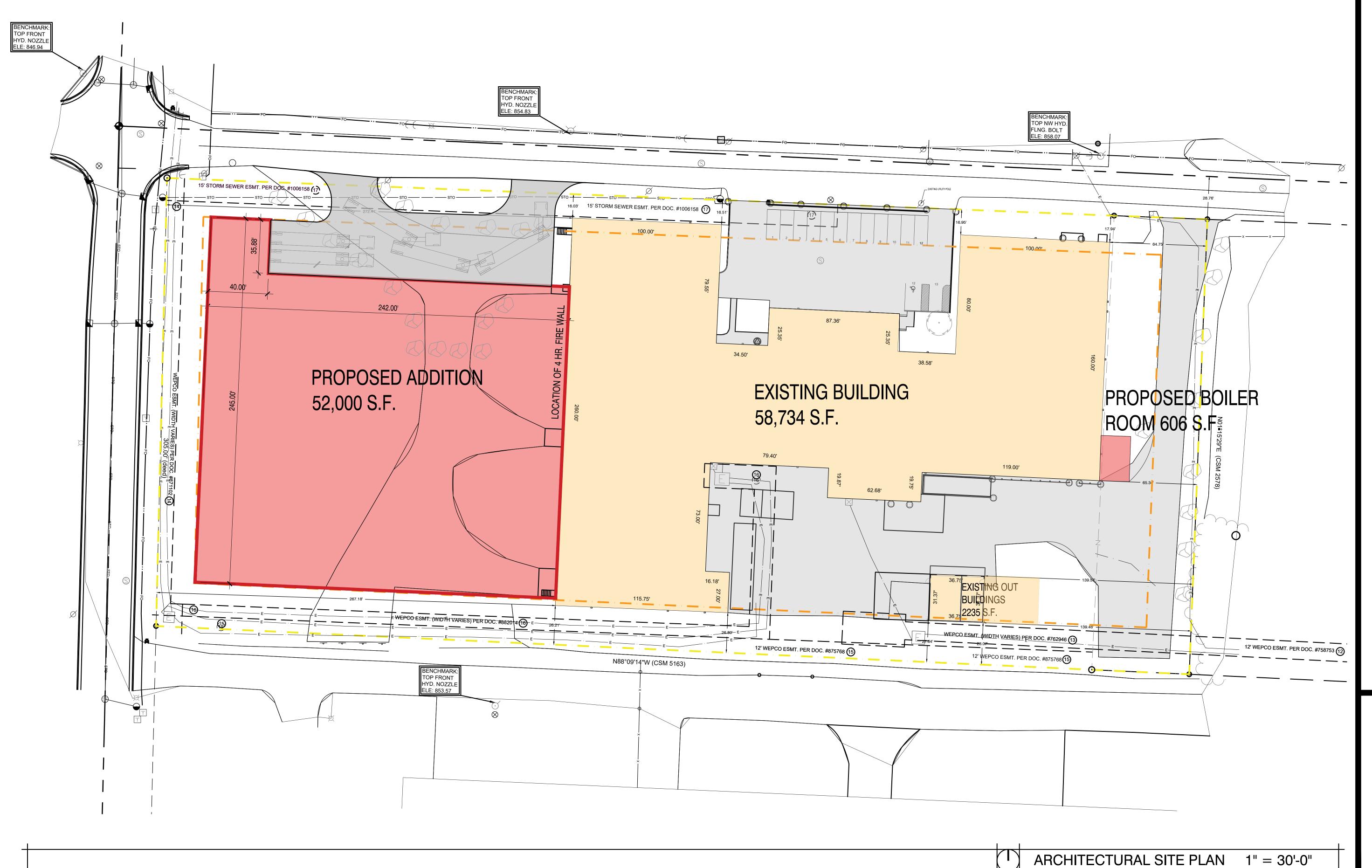
04/08/2024 08/08/2024

xx/xx/xxxx

xx/xx/xxxx

xx/xx/xxxx





CONTRACTOR RESPONSIBILITY:

WOULD HAVE NO KNOWLEDGE.

(R.O.W. VARIES)

UNDERGROUND

EXISTING ROCK TO

BE REMOVED (TYP

EXISTING GRAVEL

TO BE REMOVED

gravel surface

LOT 1

CSM 5163

wood STORMWA

EXISTING ·

SIGN TO BE

REMOVED

UNPLATTED LANDS

PARCEL AREA:

210,606 s.f.

4.84 ac.

grass

· EXISTING ELECTRICAL

LINE TO REMAIN (TYP)

EXISTING SIGN TO

BE REMOVED (TYP)

EXISTING

WOOD SIGN TO

BE REMOVED

12" steel 300 psi gas main

GAS MAIN (plan)

- S87°43'27"E 697.87'

PROPERTY LINE

BENCHMARK: TOP FRONT

HYD. NOZZLE

RY HOLDINGS PROPERTY 300 LLC

HEPATICA HILL HOLDING LLC

TAX KEY: 291-0815-1032-003

bituminous surface

EASTGATE LLC

1007 S. 12TH ST.

ELE: 853.57

BENCHMARK.

TOP FRONT

R.R. SPK.

NW COR.

SW QTR.

SÉC. 10-8-1

12TH

S

PROPERTY LINE

._ N

HYD. NOZZLE

bituminous surface

BEEHIVE INLET

INV. 10" PVC E: 841.80

INV. 12" RCP W: 841.59

RIM: 843.84

SUMP: 841.34

EXISTING CATCH BASIN TO REMAIN (TYP)

BEEHIVE INLET RIM: 843.20

SUMP: (silted)

INV. 12" RCP W: 841.46

THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. I ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL OBSERVATION OF THE PROPERTY OR OF WHICH THE SURVEYO **GENERAL SITEWORK DEMOLITION:** CONTRACTOR TO REMOVE ALL SITE FEATURES THAT INTERFERE WITH NEW DEVELOPMENT INCLUDING BUILDINGS, ASPHALT, CONCRETE, CURB, FENCES, LIGHT POLES, UTILITIES, TREES, LANDSCAPING, FOUNDATIONS. FOUNDATIONS SHALL BE REMOVED TO 1 FOOT BELOW EXISTING GRADE. CONTRACTOR SHALL COORDINATE REMOVAL OF UTILITIES WITH CITY AND UTILITY COMPANIES. SOME UTILITIES MAY BE ABANDONED IN PLACE. ALL LATERALS TO BE ABANDONED SHALL BE ABANDONED PER CITY REQUIREMENTS. TURN WATER SERVICE VALVES OFF. SEWER AND WATER LATERALS MAY BE REUSED. CAP AND MARK IF **ENCOUNTERED ON SITE. PROTECT SITE FEATURES AND UTILITIES** WHICH ARE TO REMAIN FROM DAMAGE. CONTRACTOR MAY ELECT TO PULVERIZE EXISTING ASPHALT AND REUSE ON SITE. IF DONE, ASPHALT SHALL BE PULVERIZED AND MIXED INTO THE EXISTING STONE BASE. ANY DISTURBED GRASS AREAS SHALL BE RESTORED WITH NEW SEEDING.

bituminous surface

EXISTING MASONRY BUILDING

LEGEND © ELECTRIC MANHOLE O DECIDUOUS TREE) INDICATES RECORDED DIMENSION E ELECTRIC PEDESTAL SHRUB WHERE DIFFERENT FROM ACTUAL ⊕ AC CONDENSOR TELEPHONE MANHOLE MEASUREMENT A HANDICAP ACCESS ☐ TELEPHONE PEDESTAL SECTION OR 1/4 SECTION Î STUMP FO MARKED FIBER OPTIC CORNER AS DESCRIBED -EDGE OF TREES ₩ GAS VALVE 1" DIA. IRON PIPE FOUND -----FM-FORCE MAIN GAS METER (UNLESS OTHERWISE NOTED) ----- s -SANITARY SEWER GAS WARNING SIGN — — — sto-STORM SEWER ⊙1" DIA. IRON PIPE, 18" LONG-SET STORM MANHOLE ---- w -WATERMAIN (UNLESS OTHERWISE NOTED) ROUND INLET ----- G-MARKED GAS MAIN + CROSS FND SQUARE INLET BOLLARD ----- E -MARKED ELECTRIC A STORM SEWER END SECTION SOIL BORING/MONITORING WELL © SANITARY MANHOLE —— · · · — в —ВUREAU ELEC. SERV. FLAGPOLE © CITY COMMUNICATION MH ----- T -MARKED TELEPHONE ₽ MAILBOX SANITARY CLEANOUT OR SEPTIC VENT -----TV-MARKED CABLE TV LINE SIGN ⊗ SANITARY INTERCEPTOR MANHOLE -- BILLBOARD ⊗ WATER VALVE ■ CONTROL BOX **W** HYDRANT INDICATES EXISTING 中 TRAFFIC SIGNAL © WATER SERVICE CURB STOP CONTOUR ELEVATION * RAILROAD CROSSING SIGNAL Ø POWER POLE

INDICATES EXISTING SPOT ELEVATION **↓** WELL K GUY POLE ₹ WATER SURFACE ↑ GUY WIRE ♦ WETLANDS FLAG CITY OF WATERTOWN BENCHMARK: Ø LIGHT POLE TOP FRONT 1206 BOOMER ST. & 925 S. 12TH ST. ■ MARSH ➤ SPOT/YARD/PEDESTAL LIGHT HYD. NOZZLE TAX KEY(S): 291-0815-1023-019 CONIFEROUS TREE ELE: 854.83 291-0815-1023-020 end location marks 1216 BOOMER STREET TAX KEY: 291-0815-1023-021 EXISTING STORM SEWER **BOOMER ST** bituminous surface - PROPERTY LINE (R.O.W. VARIES) 12" steel 300 psi gas main bituminous surface grass 15' STORM SEWER ESMT. PER DOC. #1006158 (17 gravel surface - EXISTING STEEL STEPS 2' RND. STM. INL. cable fence RIM: 854.93 bituminous surface DOCK INV. 12" RCP W: 852.25 SUMP: 851.83 SAN. M.H. RIM: 857.04 EXISTING STEEL PLATFORM roof drain TO BE REMOVED INV. CUT 4"(appx.): 848.30 platform downspout-*TOP OF PIPE CUT* √ (typ) *NO TROUGH* PROPERTY LINE PROPOSED PROPERTY LINE **EXISTING MASONRY BUILDING** - EXISTING CONCRETE 58,734 S.F. (gross footprint) roof drain TO BE REMOVED (TYP) / downspout (typ) FF= 858.15 T.J. REISS JR. PROPERTIES HOLDING LLC 1207 BOOMER STREET TAX KEY: 291-0815-1032-001 EXISTING GRAVEL TO BE REMOVED gravel surface ₩ DOCK EXISTING DOWNSPOUT TO BE REMOVED rtrench drain ele - 854.1 LOT 1 DOCK roof drain CSM 2578 ramp downspout 8 CSM 2578 gravel surface conc EXISTING ROCK TO COMPACTED 5.5' GRAVEL gravel surface **EXISTING EXISTING** EXISTING STEEL STEPS MASONRY BUILDING TO BE REMOVED BUILDING 1,086 S.F. grass 1,149 S.F. FF= 856.78 FF= 856.78 WEPCO ESMT. (WIDTH VARIES) PER DOC. #882014 (16) WEPCO ESMT. (WIDTH VARIES) PER DOC. #762946 12' WEPCO ESMT. PER DOC. #758753 (12) 12' WEPCO ESMT. PER DOC. #875768 (15) / 12' WEPCO ESMT. PER DOC. #875768 15 N88°09'14"W (CSM 5163)

conc

NORTH GRAPHICAL SCALE (FEET)

PINNACLE ENGINEERING GROUP ENGINEERING I NATURAL RESOURCES I SURVEYING PLAN I DESIGN I DELIVER **WISCONSIN OFFICE:** 20725 WATERTOWN RD BROOKFIELD, WI 53186 (262) 754-8888 CHICAGO I MILWAUKEE : NATIONWIDE

PEG JOB #: 5452.00-WI

& DEMO PLAN Sheet Number: C-001 P13601



GENERAL

MSI GENERAL CORPORATION

OCONOMOWOC, WI 53066

WWW.MSIGENERAL.COM

SINGLE SOURCE RESPONSIBILITY TM

PHONE: 262-367-3661

P.O. BOX. 7

EXISTING CONDITIONS & DEMO PLAN 1" = 30"

bituminous surface

conc

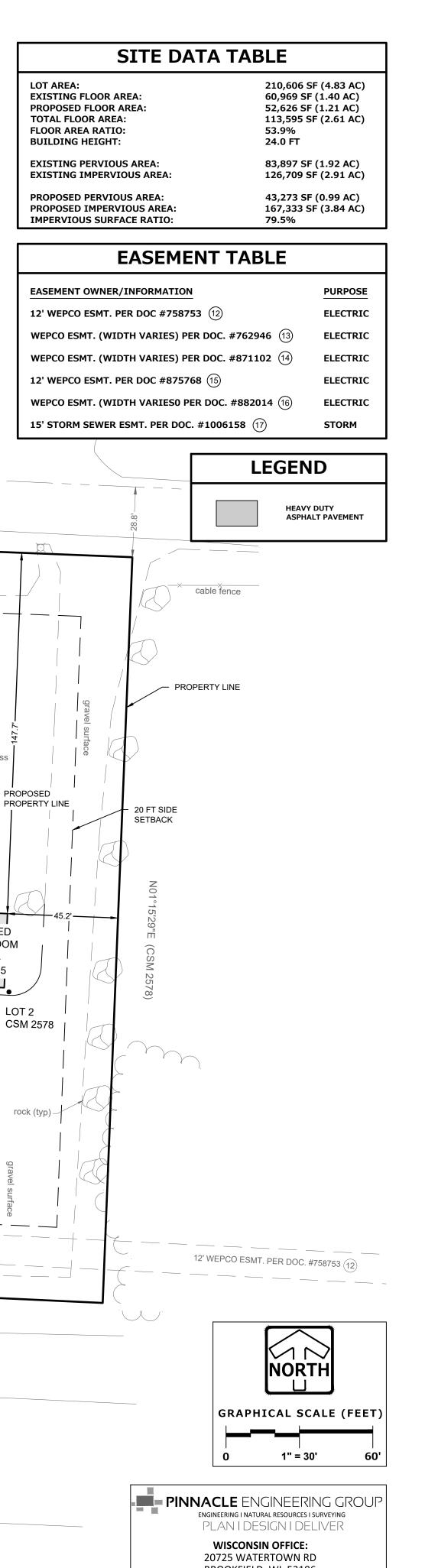
02/20/2024

08/09/2024

xx/xx/xxxx

xx/xx/xxxx

xx/xx/xxxx



SITE PLAN 1" = 30'

GENERAL

MSI GENERAL CORPORATION

OCONOMOWOC, WI 53066

WWW.MSIGENERAL.COM

SINGLE SOURCE RESPONSIBILITY TM

PHONE: 262-367-3661

P.O. BOX. 7

ISSUE DATES:

Construction / Permit:

Record Drawings:

REVISIONS:

Budget: Proposal:

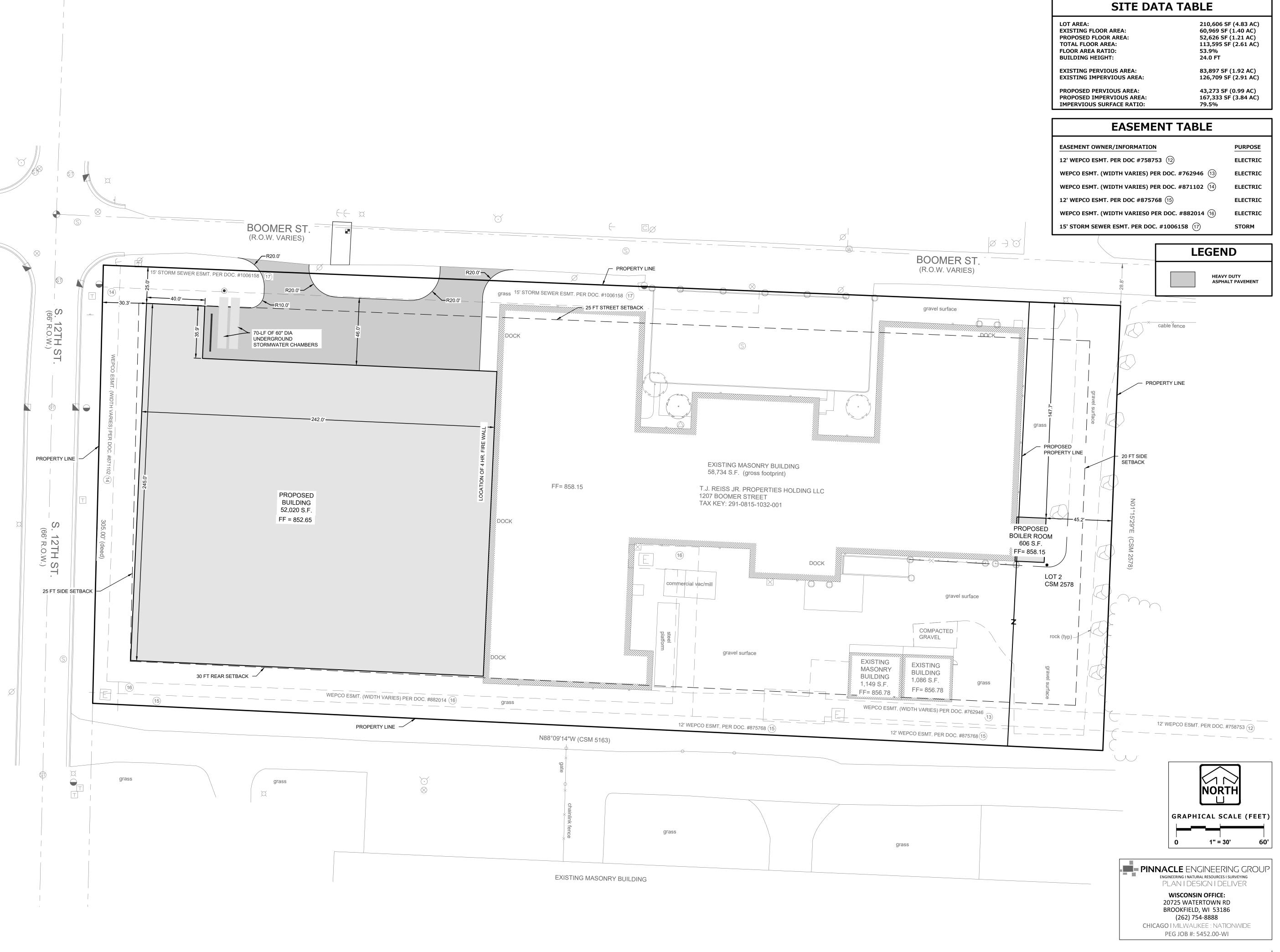
Contract:

PROJECT ADDRESS:

PROJECT NAME CONSOLIDATED IND. BUILDING ADDITION STREET ADDRESS 1207 BOOMER STREET CITY/ STATE / ZIP WATERTOWN, WI 53094

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE

 [
Architect:	Engineer: AEK	Rev
Sheet Title: SITE P	LAN	
Sheet Num	ber:	
C-C	002	
Project Nur	mber:	
P1:	360	1



LEGEND PROPOSED CONTOUR EXISTING CONTOUR DIRECTION OF SURFACE FLOW **ENGINEER IF NECESSARY.** SILT FENCE INLET PROTECTION CONDUCT ROUGH GRADING EFFORTS.

749

CONSTRUCTION ENTRANCE

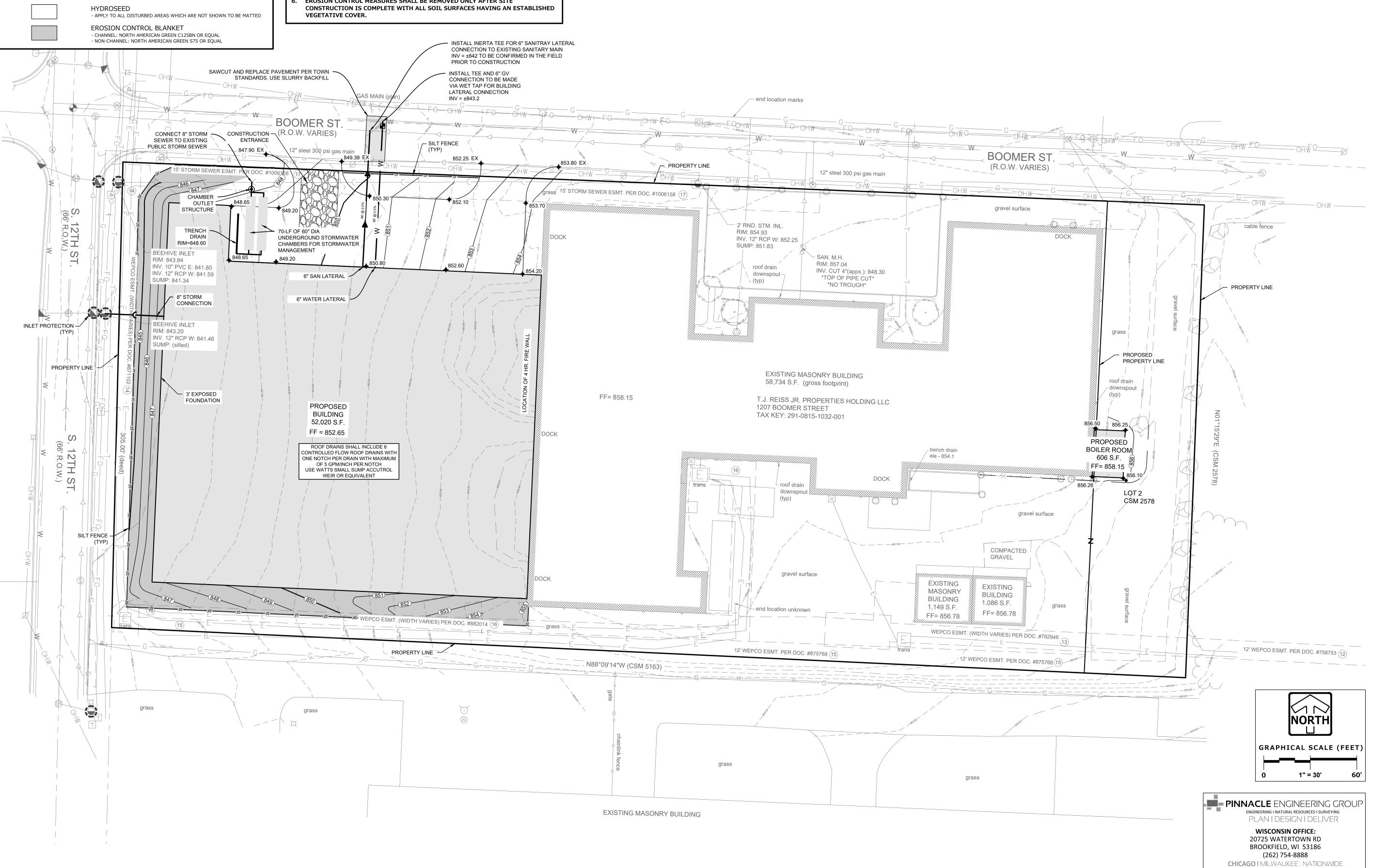
CONSTRUCTION SEQUENCE

ALL WORK SHALL BE IN CONFORMANCE WITH THE DNR WPDES PERMIT AND CITY OF WATERTOWN EROSION CONTROL PERMIT. SITE SEQUENCING IS ANTICIPATED BASED ON THE BEST INFORMATION AVAILABLE PRIOR TO CONSTRUCTION, DEVIATIONS FROM THI SEQUENCE MAY OCCUR WHEN THERE IS GOOD REASON TO DO SO. ALL CHANGES SHALL BE DOCUMENTED IN WRITING AND REVIEWED/APPROVED BY THE OWNER AND/OR

- INSTALL PERIMETER SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE. REMOVAL OF ALL SITE FEATURES THAT INTERFERE WITH NEW DEVELOPMENT
- **INCLUDING GRAVEL & LANDSCAPING.**
- BEGIN BUILDING CONSTRUCTION.
- COMPLETE FINAL GRADING, WALKS, ETC **EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE**

REFER TO CONSTRUCTION DETAILS SHEET FOR ALL UTILITY RELATED **CONSTRUCTION DETAILS**

STORM STRUCTURE SIZING IS APPROXIMATE AND SHALL BE **CONFIRMED BY SUPPLIER**





MSI GENERAL CORPORATION P.O. BOX. 7 OCONOMOWOC, WI 53066 PHONE: 262-367-3661

WWW.MSIGENERAL.COM

SINGLE SOURCE RESPONSIBILITY TM

ISSUE DATES:	
Budget Set:	02/20/2024
Proposal:	08/09/2024
Contract:	xx/xx/xxxx
Construction / Permit:	xx/xx/xxxx
Record Drawings:	xx/xx/xxxx

	REVISIONS:
4	

PROJECT ADDRESS: PROJECT NAME CONSOLIDATED IND. ADDITION STREET ADDRESS 1207 BOOMER STREET CITY/ STATE / ZIP

ALL WORK TO BE COMPLETED AS SHOWN, AND I ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION

WATERTOWN, WI 53094

Architect:	Engineer:	Reviewed By:
Sheet Title:	NG & EF	ROSION
	ROL PLA	
Sheet Num		AI V
	100	
)03	
Project Nur		
, ,		
D1	360	1
$ \Gamma $	300	

PEG JOB #: 5452.00-WI

EROSION CONTROL SPECIFICATIONS & REQUIREMENTS

- ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT (WPDES PERMIT NO. WI-S067831-4) FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL TECHNICAL STANDARDS AND PROVISIONS IN EFFECT AT THE TIME OF CONSTRUCTION. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMPs). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF AND UNDERSTAND THE BMP's PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- QUALIFIED PERSONNEL: (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH OR MORE PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERNAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH THE GENERAL PERMIT CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
- POST WNDR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- MODIFICATIONS TO THE APPROVED SWAPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMPS. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE APPROVED PLAN.
- OWNER IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION AND PRESERVE
- REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS.
- 10. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCES PRIOR TO ANY LAND-DISTURBUNG ACTIVITIES, INCLUDING CLEARING AND GRUBBING, USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCES.
- 1. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
- 12. WHERE POSSIBLE, STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.

- 13. NOTIFY OWNER & ENGINEER IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATERING ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE
- 14. PUMPS MAY BE USED AS BYPASS DEVICES IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO APPROVED FILTER BAG OR APPROVED SETTLING DEVICE.
- 15. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING TO FITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DEWATERING #1061
- 16. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET. AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528), CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP #1063.
- 17. CONSTRUCT AND PROTECT THE BIOINFLTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION #1004. BIOINFILTRATION MAY BE USED AS A SEDIMENT BASIN DURING CONSTRUCTION. DO NOT EXCAVATE FINAL 1' OR INSTALL STONE/ENGINEERED MEDIA UNTIL UPSTREAM AREA IS STABILIZED. WHEN THIS ACCOMPLISHED, REMOVE THE FINAL 1' PLUS ANY SOIL WHICH APPEARS TO BE IMPACTED BY SEDIMENT AND COMPLETE CONSTRUCTION OF BIOINFILTRATION AREA.
- 18. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- 19. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- 20. INSTALL AND MAINTAIN FILTER SOCK IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS
- 21. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE
- 22. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER, BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX. AS APPROPRIATE FOR REGION AND SOIL TYPE.
- 23. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- 24. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BY THE MUNICIPALITY. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.

1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, THE STANDARD

4. THE MUNICIPALITY SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF THE PUBLIC PORTIONS OF THE WORK. THE OWNER SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND

5. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE

7. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT

EROSION CONTROL PLAN FOR MORE DETAILS. INSPECTIONS SHALL BE MADE WEEKLY OR AFTER EVERY RAINFALL OF 0.5" OR MORE. REPAIRS SHALL BE MADE IMMEDIATELY. THE CONTRACTOR SHALL BE

8. SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE

2. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.

SPECIFICATIONS FOR SEWER & WATER IN WISCONSIN, AND WISCONSIN ADMINISTRATIVE CODE, SPS 360, 382-383, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.

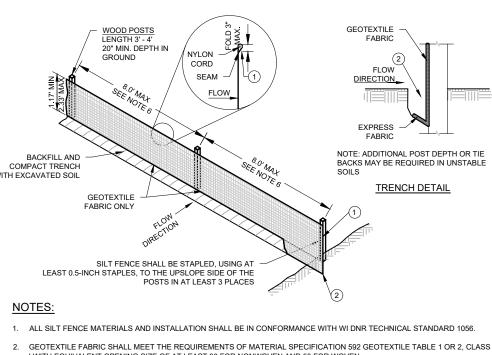
RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.

3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY- EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.

1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.

CAUSE TO DO SO. AN EXPLANATION MUST BE SUBMITTED TO THE ENGINEER IN WITTING BEFORE ANY DEVIATIONS ARE MADE.

- 25. OWNER IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
- 26. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTE OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- 27. COORDINATE WITH THE OWNER, ENGINEER AND DNR REPRESENTATIVE TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS OR COMPACTED EARTHEN
- 28. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS AND TYPE MATTING FOR THE SPECIFICATIONS UNLESS SPECIFIED OTHERWISE ON THE PLANS. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WISDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
- 29. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS AND TYPE MATTING FOR THE SPECIFICATIONS UNLESS SPECIFIED OTHERWISE ON THE PLANS. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WISDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- . MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
- 31. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC) OR AS DIRECTED BY OWNER. MUNICIPALITY, OR DNR REPRESENTATIVE,
- 32. OWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIED INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OF GROUNDWATER CONTAMINATION CAN BE FOUND ON WNDR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM PUBLIC DATABASE.
- 33. MAINTAIN SOIL EROSION CONTROL DEVICE THROUGH THE DURATION OF THIS PROJECT, ALL TEMPORARY FROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS ARE FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. DISTURBANCE ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
- 34. NOTIFY THE OWNER IMMEDIATELY IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS.



- WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVE!
- 3. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION
- 4. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL. 5. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY
- 6. SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE, WHERE APPLICABLE.

3" TO 6" WASHED

7. POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8-FEET FOR WOVEN AND 3-FEET FOR NON-WOVEN

SILT FENCE

NLET SPECIFICATIONS AS PER PLAN DIMENSION LENGT FOR INLETS WITH CAST CURB BOX USE WOOD 2"x4", EXTEND 10" BEYOND GRATE WIDTH OF SEOTEXTILE FABRIC BOTH SIDES, LENGTH VARIES. SECURE TO GRATE WITH WIRE OR PLASTIC TIES 4" x 6" OVAL HOLE SHALL BE HEAT CUT INTO ALL FOUR SIDE PANELS INLET PROTECTION DEVICES SHALL BE MAINTAINE OR REPLACED AT THE DIRECTION OF THE ENGINEER FRONT, BACK, AND MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WISDOT EROSION CONTROL PRODUC ACCEPTABILITY LIST MAY BE SUBSTITUTED OF FABRIC INIMUM DOUBLE ROTECTION, CARE SHALL BE TAKEN SO THAT TH TCHED SEAMS L AROUND SIDI SEDIMENT TRAPPED ON THE GEOTEXTILE FARR AND ON FLAI DES NOT FALL INTO THE INLET. ANY MATERIAL POCKETS ALLING INTO THE INLET SHALL BE REMOVED FINISHED SIZE, INCLUDING FLAP POCKETS WHERE QUIRED, SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE (2) FLAP POCKETS SHALL BE LARGE ENOUGH TO ISTALLATION NOTES: ACCEPT WOOD 2 INCH X 4 INCH. DO NOT INSTALL INLET PROTECTION TYPE "D" IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE. BETWEEN THE INLET WALLS AND THE BAG. MEASURED AT THE BOTTO

OF THE OVERFLOW HOLES, OF 3 INCHES, WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, ACHIEVE THE 3 INCHES CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4 INCHES FROM THE BOTTOM OF THE BAG.

INLET PROTECTION

R-1660 WITH VENTED LID, UNLESS OTHERWISE

CONCRETE DECK MAY BE

SIDE BY SIDE JOINT (TYP)

STORM SEWERS.

6" MINIMUM STONE

NOTES:

TOP OF BENCH

FLOW LINE -

1. CLEAN UNDERSIDE OF ADJUSTING RING OR CAST IRON FRAME AND SET IN PLACE

4. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478

WATER MAIN OVER SANITARY/STORM SEWER

SANITARY/STORM SEWER OVER WATER MAIN

HORIZONTAL SEPARATION OF 8 FEET

DRAINAGE

LARGE SUMP ACCUTROL WEIF

ACCUTROL WEIR FLOW CONTRO

1. AT CROSSING, ONE FULL 18 FOOT LENGTH OF WATERMAIN

SHALL BE CENTERED ON THE SEWER, MAINTAIN A MINIMUM

WATER MAIN SEPARATION

which limit the flow of rain water off a roof. Each weir slot controls flow to 5 gpm per inch of head to a maximum of 30 gpm at 6" head(for large sump), 25 gpm at 5" head(for small sump). The Accutrol Weir is secured to the flashing

up of the roof drain. The Accutrol Weir is available with 1 to 4 slots for the large sump drain and up to 3 slots for th

Flow Control for

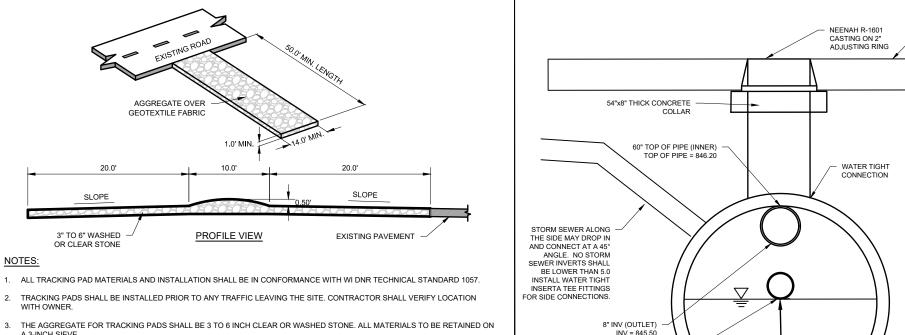
Roof Drains

SMALL SUMP ACCUTROL WEIR

STORM SEWER MANHOLE

3. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT THE USE OF A FLAT TAPERED TOP.

5. ECCENTRIC CONE SECTION OF MANHOLE TO BE SET OUTSIDE OF VEHICULAR WHEEL PATH NEAR \P



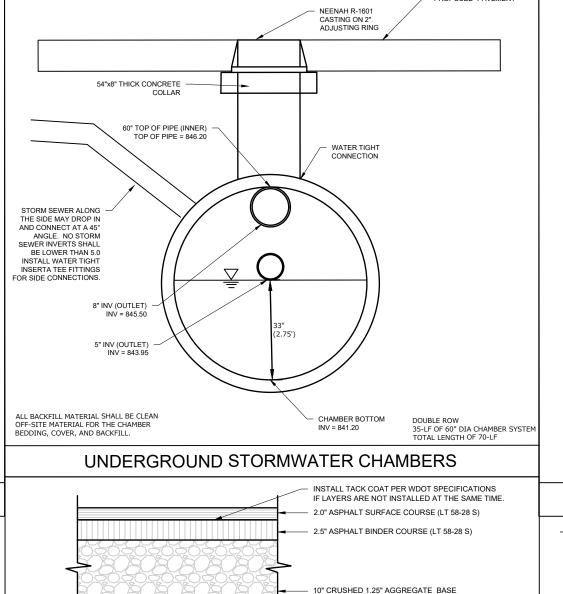
A 3-INCH SIEVE THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12-INCHES THICK. ON SITES WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PAD, THE PAD SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC WHICH MEETS MATERIAL

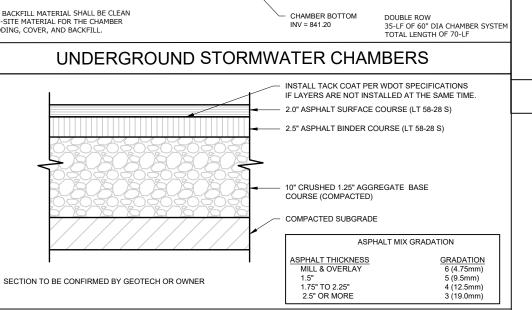
SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV, TO PREVENT MIGRATION OF UNDERLYING SOILS INTO THE 5. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC

AND 20 FEET FOR TWO-WAY TRAFFIC. WITH AN ADDITIONAL INCREASE OF 4 FEET FOR TRAILER TRAFFIC. THE TRACKING PAD 6. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, AT THE END OF EACH WORKING DAY.

. TRACKING PADS SHALL. AT A MINIMUM. BE INSPECTED WEEKLY AND WITHIN 24-HOURS AFTER EVERY PRECIPITATION EVEN PRODUCES 0.5-INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD

8. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE CONSTRUCTION ENTRANCE





For Large Sump Roof Drains Specify the "-A" option and number of slots required. (ie. "RD-100-A2" for two slot weir)
For Small Sump Roof Drains Specify the "-A" option and number of slots required. (ie. "RD-200-A1" for one slot weir) **HEAVY DUTY PAVEMENT SECTION**

AGENCIES. IN THE EVENT THIS OCCURS, THE ROADWAYS SHALL BE POWER SWEPT IMMEDIATELY AND ALL SEDIMENT REMOVED FROM DOWNSTREAM FACILITIES.

DEVICE MAY BE USED TO CAPTURE SEDIMENT FROM THE PUMPED WATER.

SPECIFICATIONS FOR PRIVATE UTILITIES BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES.

DEWATERING SHALL NOT GO DIRECTLY TO STREAMS, CREEKS, WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS WITHOUT BEING TREATED FIRST. A DIRT BAG OR OTHER DEWATERING TREATMENT

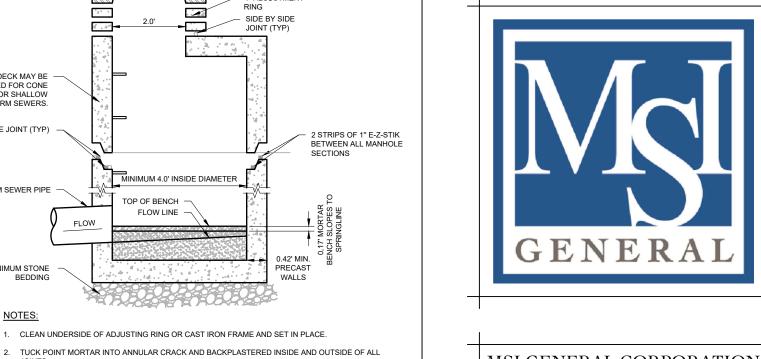
IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN. 2. ALL CONNECTIONS TO EXISTING PIPES AND MANHOLES SHALL BE CORED CONNECTIONS. CONNECTIONS TO WATERMAIN SHALL BE WET TAPED WITH A STAINLESS STEEP TAPPING SLEEVE.

10. CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT

- 3. PROPOSED SANITARY SEWER AND INTERNALLY CONNECTED STORM SEWER SHOWN ON THIS PLAN SHALL TERMINATE AT A POINT FIVE (5) FEET FROM THE EXTERIOR BUILDING WALL. THE EXACT LOCATION OF ALL
- DOWN SPOUTS CONNECTIONS SHALL BE PER THE ARCHITECTURAL PLANS. 4. CONTRACTOR SHALL NOT SHUT OFF WATER OR PLUG SANITARY SEWER IN MUNICIPAL LINES WITHOUT PRIOR APPROVAL.
- 5. MATERIALS FOR STORM SEWER SHALL BE AS FOLLOWS: STORM SEWER PIPE 48" OR LESS SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) CORRUGATED PIPE WITH AN INTEGRALLY FORMED SMOOTH WATERWAY SUCH AS ADS N-12. FOR PIPE 10" OR LESS IN DIAMETER, PVC, ASTM D-3034, SDR-26, MAY ALSO BE USED. WHERE SPECIFICALLY REQUIRED, REINFORCED CONCRETE PIPE (RCP), ASTM C-76, CLASS III OR HIGHER, MAY BE USED. TRENCH SECTION SHALL BE CLASS "B" FOR PVC AND HDPE AND CLASS "C" FOR CONCRETE (PER STANDARD SPECIFICATIONS). MANHOLES, INLETS AND CATCH BASINS SHALL BE PRE CAST REINFORCED CONCRETE, ASTM C-478. CASTINGS SHALL BE HEAVY DUTY CAST IRON. AREA DRAINS SHALL BE PER DETAIL ON PLAN OR EQUIVALENT AND SHALL BE A MINIMUM OF 24" IN DIAMETER. CONNECTIONS TO EXISTING PIPES SHALL BE MADE WITH INSERTA WYE OR EQUIVALENT.
- 6. WHERE STROM SEWER ENTERS POND OR FREE DISCHARGES, THE LAST THREE PIPE SECTIONS OR 30' MINIMUM SHALL BE ROD RESTRAINED TO THE END SECTION
- MATERIALS FOR SANITARY SEWER SHALL BE AS FOLLOWS: SANITARY SEWER SHALL BE PVC, ASTM D-3034, SDR-35 WITH RUBBER GASKETED JOINTS, CONFORMING TO ASTM D-3212. TRENCH SECTIONS SHALL BE CLASS "B" BEDDING (PER STANDARD SPECIFICATIONS). CRUSHED STONE CHIPS SHALL BE USED FOR BEDDING MATERIAL. CONNECTIONS SHALL BE MAD WITH A INSERTA WYE OR EQUIVALENT. A MINIMUM OF 6' OF COVER IS REQUIRED FOR ALL SANITARY SEWER.
- 8. MATERIALS FOR WATER SERVICES AND PRIVATE HYDRANTS SHALL BE AS FOLLOWS: WATER SERVICES SHALL BE PVC, HDPE, OR DI AS ALLOWED BY MUNICIPAL CODE, PVC SHALL BE AWWA C-900. DI SHALL BE AWWA C151, CLASS 52 (OR AS REQUIRED BY LOCAL CODE). TRENCH SECTIONS SHALL BE CLASS "B" BEDDING (PER STANDARD SPECIFICATIONS). CRUSHED STONE CHIPS SHALL BE USED FOR BEDDING MATERIAL. CONNECTION SHALL BE MADE WITH A WET TAP, CORPORATE STOP AND VALVE BOX PER MUNICIPAL STANDARDS. A MINIMUM OF 6' COVER IS REQUIRED FOR ALL WATERMAIN. VALVES SHALL BE NONRISING STEM, RESILIENT SEATED GATE VALVES COMPLYING WITH AWWA C509 WITH A THREE PIECE CAST IRON VALVE BOX. INSTALL THRUST BLOCKS AT ALL BENDS AND TEES. DISINFECT ALL NEW LINES AND OBTAIN SAFE WATER SAMPLE PRIOR TO USE
- 9. EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. MECHANICALLY COMPACTED GRANULAR BACKFILL IS REQUIRED UNDER & WITHIN 5 FEET OF ALL PAVEMENT INCLUDING SIDEWALKS. FLOODING OF BACKFILL MATERIAL IS NOT ALLOWED.
- 10. TRACER WIRE (NO. 8 SINGLE STRAND COPPER) AND WARNING TAPE SHALL BE INSTALLED ON ALL UTILITIES IN ACCORDANCE WITH THE LOCAL AND STATE CODES. TRACER WIRE SHALL TERMINATE IN A VALVECO TERMINAL BOX AT EACH END.
- 11. MANDREL TESTING ON SANITARY LINES AND PRESSURE TESTING ON WATERMAIN MAY BE REQUIRED BY THE OWNER OR MUNICIPALITY.
- 12. UPON COMPLETION OF FINAL PAVING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL MANHOLE AND INLET RIMS AND VALVE BOXES TO FINISHED GRADE.

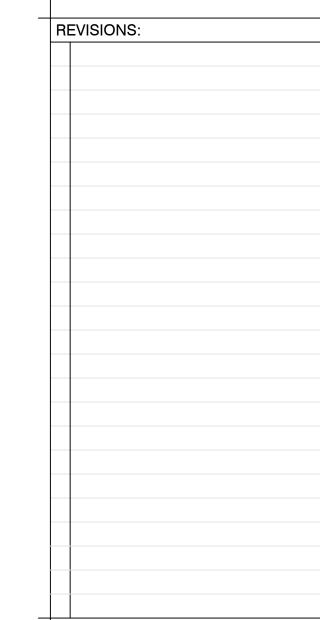
SPECIFICATIONS FOR PAVING

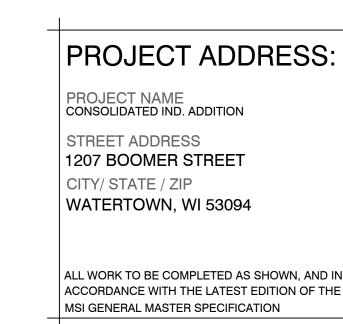
- 1. AGGREGATES USED IN THE CRUSHED STONE BASE SHALL CONFORM TO THE GRADATION REQUIREMENTS SECTIONS 301.2 AND 305.2.2 OF THE STANDARD SPECIFICATIONS. THICKNESS SHALL BE PER THE DETAIL ON THE PLANS. BASE SHALL BE 1 💤 INCH DIAMETER LIMESTONE TRAFFIC BOND AGGREGATE BASE COURSE UNLESS NOTED OTHERWISE. SUBSTITUTION AND/OR RECYCLED MATERIALS MAY BE ALLOWED WITH APPROVAL FROM THE OWNER
- SUBGRADE SHALL BE PROOFROLLED AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF STONE BASE. EXCAVATE UNSUITABLE AREAS AND REPLACE WITH BREAKER RUN STONE AND RECOMPACT. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL SPECIFICATIONS. 3. EXISTING PAVEMENT SHALL BE SAWCUT IN NEAT STRAIGHT LINES TO FULL DEPTH AT ANY POINT WHERE EXISTING PAVEMENT IS REMOVED. CURB AND WALK SHALL BE REMOVED TO THE NEAREST JOINT.
- REMOVED PAVEMENT SHALL BE REPLACED WITH THE SAME SECTION AS EXISTING. MUNICIPAL STANDARDS MAY REQUIRE ADDITIONAL WORK. 4. ASPHALT FOR PARKING AREAS AND THE PRIVATE ROAD SHALL BE PER THE DETAILS MATERIALS AND PLACEMENT SHALL CONFORM TO THE DOT STANDARD SPECIFICATIONS, SECTION 450 AND 460 LT 58-28 S IS
- REQUIRED UNLESS NOTED OTHERWISE. A COMMERCIAL GRADE MIX MAY BE SUBSTITUTED ONLY WITH APPROVAL FROM THE OWNER.
- 5. CONCRETE FOR CURB, DRIVEWAY, WALKS AND NON-FLOOR SLABS SHALL CONFORM TO SECTION 415 OF THE STANDARD SPECIFICATIONS, GRADE A, ASTM C-94, 6 BAG MIX, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI. JOINTING SHALL BE PER SECTION 415.3.7, 602.3.2.5, AND 601.3.4-5, OF THE STANDARD SPECIFICATIONS. CONSTRUCTION JOINTS SHALL BE SPACED NOT FURTHER THAN 10' FOR PAVEMENT, 10' FOR SIDEWALKS (OR THE WIDTH OF THE WALK), AND 15' FOR CURB. EXPANSION JOINTS SHALL BE SPACED NO FURTHER THAN 50' FOR PAVEMENT, 300' FOR CURB, AND 100' FOR WALKS. CONCRETE SHALL BE FINISHED PER SECTION 415.3.8 WITH A MEDIUM BROOM TEXTURE. A CURING MEMBRANE IN CONFORMANCE WITH SECTION 415.3.12 IS REQUIRED.



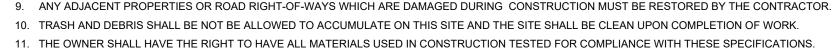
MSI GENERAL CORPORATION P.O. BOX. 7 OCONOMOWOC, WI 53066 PHONE: 262-367-3661 WWW.MSIGENERAL.COM SINGLE SOURCE RESPONSIBILITY TM

ISSUE DATES: Budget Set: 02/20/2024 08/09/2024 Proposal: Contract: XX/XX/XXXX Construction / Permit: xx/xx/xxxx xx/xx/xxxx Record Drawings









REJECT THE CONSTRUCTION OF ALL PRIVATE PORTIONS OF THE WORK.

6. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

WORK ON THIS PROJECT.

GENERAL SPECIFICATIONS FOR CONSTRUCTION ACTIVITIES

- SPECIFICATIONS FOR GRADING & EROSION CONTROL 1. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT. CONTRACTOR SHALL NOTIFY OWNER OF THE NEED TO IMPORT OR HAUL OFF SOIL. ON-SITE LOCATIONS SUITABLE FOR BORROW OR FILL MAY BE PRESENT. COORDINATE WITH OWNER.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER. 3. SITE SHALL BE CLEARED TO THE LIMITS SHOWN ON THE PLANS. REMOVE VEGETATION FROM THE SITE. BURNING IS NOT PERMITTED. PROTECT TREES AND OTHER FEATURES FROM DAMAGE WITH FENCING.
- STOCKPILES SHALL NOT BE LOCATED CLOSER THAN 25' TO A DRAINAGE STRUCTURE OR FEATURE AND SHALL BE SURROUNDED WITH SILT FENCE. 4. THE GEOTECHNICAL ENGINEER IS RESPONSIBLE FOR VERIFYING COMPACTION AND FILL PLACEMENT IN THE FIELD. THE GEOTECHNICAL ENGINEER MAY SUPERCEDE THESE SPECIFICATIONS IF THERE IS GOOD
- 5. IF NO GEOTECHNICAL RECOMMENDATION IS AVAILABLE, THEN THE FOLLOWING SPECIFICATIONS SHALL APPLY. ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL AND SHALL BE PLACED IN ACCORDANCE WITH THE FOLLOWING: THE COMPACTED FILL SUBGRADE SHALL CONSIST OF AND SHALL BE UNDERLAIN BY SUITABLE BEARING MATERIALS, FREE OF ALL ORGANIC, FROZEN OR OTHER DELETERIOUS MATERIAL AND INSPECTED AND APPROVED BY THE RESIDENT GEOTECHNICAL ENGINEER, PREPARATION OF THE SUBGRADE, AFTER STRIPPING, SHALL CONSIST OF PROOF-ROLLING TO DETECT UNSTABLE AREAS THAT MIGHT BE UNDERCUT, AND COMPACTING THE SCARIFIED SURFACE TO THE SAME MINIMUM DENSITY INDICATED BELOW. THE COMPACTED FILL MATERIALS SHALL BE FREE OF ANY DELETERIOUS, ORGANIC OR FROZEN MATTER AND SHALL HAVE A MAXIMUM LIQUID LIMIT (ASTM-D-423) AND PLASTICITY INDEX (ASTM D-424) IF 30 AND 10 RESPECTFULLY, UNLESS SPECIFICALLY TESTED AND FOUND TO HAVE LOW EXPANSIVE PROPERTIES AND APPROVED BY AN EXPERIENCED SOILS ENGINEER. THE TOP TWELVE (12") INCHES OF COMPACTED FILL SHOULD HAVE A MAXIMUM THREE (3") INCH PARTICLE DIAMETER AND ALL UNDERLYING COMPACTED FILL A MAXIMUM SIX (6") INCH PARTICLE DIAMETER UNLESS SPECIFICALLY APPROVED BY AN EXPERIENCED SOILS ENGINEER. ALL FILL MATERIAL MUST BE TESTED AND APPROVED UNDER THE DIRECTION AND SUPERVISION OF AN EXPERIENCED SOILS ENGINEER PRIOR TO PLACEMENT, IF THE FILL IS TO PROVIDE NON-FROST SUSCEPTIBLE CHARACTERISTICS, IT MUST BE CLASSIFIED AS A CLEAN GW, GP SW, OR SP PER UNITED SOIL CLASSIFICATION SYSTEM (ASTM D-2487). FOR STRUCTURAL FILL THE DENSITY OF THE STRUCTURAL COMPACTED FILL AND SCARIFIED SUBGRADE AND GRADES SHALL NOT BE LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-698) WITH THE EXCEPTION TO THE TOP 12 INCHES OF PAVEMENT SUBGRADE WHICH SHALL A MINIMUM IN-SITU DENSITY OF 100 PERCENT OF THE MAXIMUM DRY DENSITY, OR 5 PERCENT HIGHER THAN UNDERLYING FILL MATERIALS. THE MOISTURE CONTENT OF COHESIVE SOIL SHALL NOT VARY BY MORE THAN -1 TO +3 PERCENT AND GRANULAR SOIL ±3 PERCENT OF OPTIMUM WHEN PLACED AND COMPACTED OR RECOMPACTED, UNLESS SPECIFICALLY APPROVED BY THE SOILS ENGINEER TAKING INTO CONSIDERATION THE TYPE OF MATERIALS AND COMPACTION EQUIPMENT BEING USED. THE COMPACTION EQUIPMENT SHOULD CONSIST OF SUITABLE MECHANICAL EQUIPMENT SPECIFICALLY DESIGNED FOR SOIL COMPACTION. BULLDOZERS OR SIMILAR TRACKED VEHICLES ARE TYPICALLY NOT SUITABLE FOR COMPACTION. MATERIAL THAT IS TOO WET TO PERMIT PROPER COMPACTION MAY BE SPREAD ON THE FILL AND PERMITTED TO DRY. DISCING, HARROWING OR PULVERIZING MAY BE NECESSARY TO REDUCE THE MOISTURE CONTENT TO A SATISFACTORY VALUE, AFTER WHICH IT SHALL BE COMPACTED. THE FINISHED SUBGRADE AREAS OF
- THE SITE SHALL BE COMPACTED TO 100 PERCENT OF THE STANDARD PROCTOR (ASTM D-398) MAXIMUM DENSITY. 6. NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE GEOTECHNICAL ENGINEER BEFORE ANY MATERIAL IS PLACED.
- 7. SUBGRADE TOLERANCES ARE +/-1" FOR LANDSCAPE AREAS AND +/- 1/2" FOR ALL PAVEMENT AND BUILDING AREAS.
- 8. TOPSOIL SHALL BE FREE OF DELETERIOUS MATERIALS, ROOTS, OLD VEGETATION, ROCKS OVER 2" DIAMETER AND SHALL NOT BE EXCESSIVELY CLAYEY IN NATURE. NO CLUMPS LARGER THAN 4" ARE ACCEPTABLE. TOPSOIL MAY BE AMENDED AS NEEDED WITH SAND OR COMPOST TO BE LOOSE WHEN SPREAD.
- 9. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING. ANY

CONSTRUCTION DETAILS NTS

PINNACLE ENGINEERING GROUP

WISCONSIN OFFICE:

20725 WATERTOWN RD

BROOKFIELD, WI 53186

(262) 754-8888

CHICAGO I MILWAUKEE : NATIONWIDE

PEG JOB #: 5452.00-WI

ENGINEERING I NATURAL RESOURCES I SURVEYING

PLAN I DESIGN I DELIVER

PHONE: 262-367-3661

ENGINEERS

 110	בום טוט
RI	EVISIONS
1	

PROJECT ADDRESS:

PROJECT NAME

Consoildated Ind. Building Addition STREET ADDRESS 1207 Boomer Street

CITY/ STATE / ZIP Watertown WI 53094

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION



ARCHITECTS



SOUTHWEST VIEW



SOUTHERN AERIAL

RENDERINGS N.T.S.



SOUTHEAST VIEW